



SAVITRIBAI PHULE PUNE UNIVERSITY

(formerly University of Pune)

M. A. Economics Syllabus

(CREDIT & SEMESTER SYSTEM)

**Revised syllabus will be implemented with effect from the academic year 2019-2020
at College Centers**

SYLLABUS: M.A. ECONOMICS - PART I (CREDIT & SEMESTER SYSTEM)
SYLLABUS: FROM JUNE 2019

M.A. Part I Semester I		M.A. Part I Semester II	
Core Papers Compulsory Paper		Core Papers Compulsory Paper	
EC-1001	Micro Economic Analysis I	EC-2001	Micro Economic Analysis II
EC-1002	Public Economics I	EC-2002	Public Economics II
EC-1003	International Trade	EC-2003	International Finance

(Any ONE to be selected)

Elective Papers		Elective Papers	
EC-1004	Agricultural Economics	EC-2004	Labour Economics
EC-1004	Rural Economics	EC-2004	Urban Economics
EC-1004	Statistical Techniques	EC-2004	Mathematical Economics
EC-1004	Indian Financial System	EC-2004	Money Markets

3. Production Theory (14 Lectures)

- 3.1 Production Function – One Input, Two Inputs: Isoquants.
- 3.2 Law of Variable Proportions, Returns to the Variable Factor, Returns to Scale, Cobb- Douglas Production Function.
- 3.3 Producer's Equilibrium with one and two inputs.
- 3.4 Cost Curves, Total, Average and Marginal Cost, Short Run and Long Run Costs, Concept of Economic Cost, Mathematical Applications
- 3.5 Derivation of Supply curve, Firm and Industry, Short and Long Run.
- 3.6 Concept of Producers' Surplus

4. Introduction to Welfare Economics (12 Lectures)

- 4.1 Concept of Social Welfare
- 4.2 Pigou's Contribution to Welfare Economics
- 4.3 Pareto Optimality; Product Exhaustion Theorem (Euler's Theorem)
- 4.4 Social Welfare Function, Compensation Criteria
- 4.5 Amartya Sen- Social Choice and Welfare

Basic Reading List:

1. D.N.Dwivedi (2011) Micro Economics – Pearson Publication, New Delhi.
2. Misra S.K. and V.K. Puri (2001): Advanced Microeconomic Theory, Himalaya Publishing House, New Delhi.
3. Mansfield, E. (1997), Micro Economics, W. W. Norton and Company, New York.
4. Mankiw, N.G. (2002), Principles of Economics, Thomson Asia Pvt. Ltd., Singapore.
5. Salvatore, D. (2003), Micro Economics, Oxford University Press.
6. Sen Amartya (2017) 'Collective Choice and Social Welfare' Penguin [Original Edition (1970)
7. Kenneth Arrow, Amartya Sen and Kotaro Suzumura (2001) 'Handbook of Social Choice and Welfare' Edited
<https://pdfs.semanticscholar.org/b209/37931e40a25527934c58ab8f72b8ee5df963.pdf>

Unit 1. Mankiw Gregory N. (Latest Edition) 'Principles of Economics' Cengage Learning

Recommended Readings:

1. Arthur O'Sullivan (2013) Micro Economics: Principles, Applications and Tools, Pearson Publication
2. Dominick Salvatore (2003) Principles of Microeconomics, OUP, 5th Edition
3. Hirschleifer J and A. Glazer (1997): Price Theory and Applications, Prentice Hall of India, New Delhi.
4. James Gerber (2012) Microeconomics, Pearson Publication New Delhi
5. Kreps, David, M (1990): A Course in Microeconomic Theory, Princeton University Press.

CORE COURSE-SEMESTER I
EC-1002 PUBLIC ECONOMICS I
(This course will have *FOUR* credits)

PREAMBLE

There has been a considerable change in the role of the government in modern times. Traditionally, Public Finance was applied to the policies and operation of revenue, expenditure and debt, while the applications have extended to resource utilization, distribution, equality, stabilization, etc. An understanding is provided on how political processes are instrumental in the fiscal policy processes and decision-making, supported by theoretical concepts and practical applications.

Course Objectives:

- To develop an understanding of the changing role of the government and the fiscal functions of the modern governments.
- To discuss and deliberate on the concepts and theories in public economies like public policy, principles of taxation, theories of public expenditure, etc.
- To develop an understanding of various policies in public economics like fiscal policy, taxation policy, public debt policy, public expenditure policy etc.

Programme Outcome:

- Ability to recognize, apply and analyze concepts and theories in public economics.
- Ability to appraise and assess the theory of public economics in real life situations.

1. Introduction

(10 Lectures)

- 1.1 Changing Role of Government – Fiscal Functions of Modern Governments - The Allocation Function, The Distribution Function, The Stabilization Function, (Case Study: The Great Depression- From Police to Welfare State)
- 1.2 Private Goods, Public Goods, Social Goods, Merit Goods, Club Goods

2. Rationale for Public Policy

(14 Lectures)

- 2.1 Allocation of Resources- Provision of Public Goods.
- 2.2 Voluntary Exchange Models- Lindahl, Johansen and Samuelson
- 2.3 Impossibility of Decentralized Provision of Public Goods
- 2.4 Contributions of Paul Samuelson, Robert Musgrave, Hugh Dalton- Demand Revealing Schemes for Public goods
- 2.5 The Clarke Tax, The Tiebout Hypothesis

3. Taxation

(12 Lectures)

- 3.1 Principles of Taxation- Benefit and Ability to Pay Approaches
- 3.2 Theory of Incidence; Alternative concepts of Incidence
- 3.3 Allocative and equity aspects of Individual Taxes;
- 3.4 Theory of Optimal Taxation; Excess Burden of Taxes;



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M.A. ECONOMICS SYLLABUS

(CREDIT & SEMESTER SYSTEM)

**Revised syllabus will be implemented with effect from the
academic year 2020-2021 at College & P.G. Centers**

ELECTIVE COURSE
SEMESTER III
EC-3004
DEMOGRAPHY
(This course will have *FOUR* credits)

PREAMBLE

The main objective of this paper is to make the students aware of the importance of population in economic development and the various theories that explain the growth of population in a country. The paper also enlightens the students on the quantitative and the qualitative aspects and characteristics of the population through various demographic techniques. In recent times, the gender aspect of the population has acquired importance and these have also been included in the framework of study. Fertility and Aging are also vital characteristics of the undergoing structural change. Their study is essential to understand the dynamics of this change. The paper exposes the students to sources of population and related characteristics and also to the rationale, need and evolution of population policy.

Course Objectives:

- To provide an understanding of Demography and its application under various topics under economics.
- To demonstrate the practical and the applied aspects of Demography and the study of Population and its relation to Economics.

Programme Outcome:

- Ability to develop, demonstrate and examine various topics under Demography.
- Ability to evaluate and examine subject areas in economics bringing out the relation to population studies and demography.

1. Demography	10
1.1 Demography: Evolution, Nature and Scope	
1.2 Development of Population Studies - relationship with other disciplines	
1.3 History of Population Growth – Primitive, Pre-Industrial, Developed and Developing	
1.4 Population Growth- Components, Interdependence, World Population Growth and Distribution, Growth in Developed and Developing Countries	
1.5 Measures of Population Growth- Sources of Demographic Data	
2. Population theories	14
2.1 The Malthusian theory	
2.2 Post-Malthusian Theories	
2.3 The Optimum Population Theory	
2.4 The Theory of Demographic Transition	
2.5 Population and Development (Meadows, Enke and Simon)	
3. Population structure and characteristics	10
3.1 Structure of Population, Growth Rate and	
3.2 Mortality- Meaning, Measurement of Mortality, Measures - causes of death.	
3.3 Fertility- Meaning, Measurement of Fertility, Extent and Trends of Fertility, Factors affecting Fertility, Fertility Differentials in India	
3.4 Pattern of Age and Sex Structure- Determinants, Impact and Implications; Age and Population	

4. Population and Development 14

- 4.1 Relation between Population and Development; Effects of Development on Population Growth and vice versa
- 4.2 Population and Natural Resources- Demographic and Socio-economic factors influencing Saving, Investment, Capital Formation and Technology
- 4.3 Population and Labour force- Population and Employment, Economically Active Population, Work Participation
- 4.4 Women and Development- Indicators of Status of Women, Inter-relation between Status of Women and Demographic Change
- 4.5 Population Policy in India- Shift from Population Control from Welfare and Empowerment; Strategies for Population Control and Human Development, Challenges to National Population Commission

Basic Reading List

1. Bogue, D.J. (1971), Principles of Demography, John Wiley, New York
2. Bhende, Asha A., Tara Kanitkar (2013) *Principles of Population Studies*, Himalaya Publishing House, Mumbai
3. Mujumdar P. K (2013) “Indian’s Demography: Changing Demographic Scenario in India”, Rawat Publications
4. Sinha V.C., Easo Zacharia (1986) ‘Principles of Demography’ Allied Publishers, 2nd Edition
5. Srinivasan Krishnamurthy (2017) “Population Concerns in India: Shifting Trends, Policies and Programs” Sage Publications
6. Srinivasan, K. and A. Shariff (1998), India: Towards Population and Demographic Goals, Oxford University Press, New Delhi

Reports

1. Census of India, Census Commissioner and Registrar General of India, Government of India, New Delhi, Latest Census
2. Family Welfare Programme in India, Year Book 2012, Government of India
3. National Family Health Survey, Government of India & IIPS, Mumbai, Recent Reports
4. National Population Policy 2000, Government of India
5. United Nations (1973) “Determinants and Consequences of Population Trends”

Recommended Books

1. Agarwala S.N. (1972), “India’s Population Problem”, Tata McGraw-Hill Co
2. Bose, A. (1996), “India’s Basic Demographic Statistics”, B.R. Publishing, New Delhi
3. Chakraborti Rajagopal D (2004) “The Greying of India: Population Ageing in the Context of Asia” Sage Publications
4. Chenery H., T.N. Srinivasan (Eds.) (1989), “HandBook of Development” Economics, Vol.1 & 2 Elsevier, Amsterdam
5. Choubey, P.K. (2000), “Population Policy in India”, Kanishka Publications, New Delhi
6. Dasgupta Sukti, Sher Singh Verick (2016) “Transformation of Women at Work in Asia: An Unfinished Development Agenda” Sage Publications
7. Easterlin Richard A (1987) “Population and Economic change in Developing Countries”, National Bureau of Economic Research, University of Chicago Press
8. G Giridar (Ed) (2014) “Population Aging In India” Cambridge University Press
9. Gulati, S.C. (1988), “Fertility in India: An Econometric Study of a Metropolis”, Sage, New Delhi. Economics
10. Seth Mira (2001) “Women and Development: The Indian Experience”, Sage



सावित्रीबाई फुले पुणे विश्वविद्यालय, पुणे
Savitribai Phule Pune University, Pune

हिंदी पाठ्यक्रम
Hindi Syllabus

संबंध महाविद्यालयों के लिए
For Affiliated colleges

बी. ए. तृतीय वर्ष कला
(पंचम एवं षष्ठ अयन)
Fifth & Sixth Semester

शैक्षिक वर्ष
Academic year

2021-2022

बी. ए. तृतीय वर्ष कला (शैक्षिक वर्ष 2021-2022 से)

पंचम अयन (Fifth Semester)

पाठ्यचर्या : Core Course – 1E (G3) पाठ्यचर्या : कथेतर विधाएँ

3 कर्मांक (3 Credit)

उद्देश्य :

1. छात्रों को संस्मरण साहित्य से अवगत करना।
2. छात्रों को रेखाचित्र साहित्य से अवगत करना।
3. छात्रों को मूल्यांकन की दृष्टि का विकास करना।
4. सभा-इतिवृत्त लेखन कौशल वृद्धि का विकास करना।
5. वार्ता-लेखन कौशल दृष्टि निर्माण करना।

इकाई	पाठ्यविषय	तासिकाएँ
इकाई- I	संस्मरण : 1. शरत् : एक याद – अमृतलाल नागर 2. प्रेमचंद : एक स्मरण – महादेवी वर्मा 3. हम हशमत – कृष्णा सोबती 4. त्यागमूर्ति 'निराला' – शिवपूजन सहाय	15 तासिकाएँ
इकाई- II	रेखाचित्र : 1. पीपल – सच्चिदानंद हीरानंद वात्स्यायन 'अज्ञेय' 2. डबली बाबू – विनय मोहन शर्मा 3. अमृत के स्रोत – जगदीश माथुर। 4. रजिया – रामवृक्ष 'बेनीपुरी'	15 तासिकाएँ
इकाई-III	पाठ्यपुस्तकेत्तर पाठ्यक्रम : 1. सभा-इतिवृत्तलेखन 2. वार्ता-लेखन	15 तासिकाएँ

पूर्णांक : 100

आंतरिक मूल्यांकन : 30 अंक (लघुत्तरी परीक्षा- 20 अंक, शोध परियोजना/समूह परियोजना/मौखिक प्रस्तुति/
क्षेत्रीय अध्ययन- 10 अंक)

सत्रांत परीक्षा : 70 अंक

सत्रांत परीक्षा – प्रश्नपत्र का प्रारूप :

बी. ए. तृतीय वर्ष कला (शैक्षिक वर्ष 2021–2022 से)

षष्ठ अयन (Sixth Semester)

पाठ्यचर्या : **Core Course – 1F (G3)** पाठ्यचर्या : गज़ल विधा और पत्राचार

3 कर्मांक (3 Credit)

उद्देश्य :

1. छात्रों को गज़ल साहित्य से अवगत करना।
2. छात्रों को गज़लकार के व्यक्तित्व से अवगत करना।
3. छात्रों में मूल्यांकन की दृष्टि का विकास करना।
4. छात्रों को सरकारी पत्र लेखन से अवगत करना।

इकाई	पाठ्यविषय	तासिकाएँ
इकाई-I	<p>‘साये में धूप’ (गज़ल संग्रह) – दुष्यंत कुमार</p> <ol style="list-style-type: none"> 1. गज़ल : अर्थ, परिभाषा, तत्व। 2. दुष्यंत कुमार का साहित्यिक परिचय। <p>गज़ल रचनाएँ : (साये में धूप)</p> <ol style="list-style-type: none"> 1. कहाँ तो तय था चिरागाँ हरेक घर के लिए, कहाँ चिराग मयस्सर नहीं शहर के लिए... 2. कैसे मंजर सामने आने लगे हैं, गाते-गाते लोग चिल्लाने लगे हैं... 3. इस नदी की धार में ठंडी हवा आती तो है, नाव जर्जर ही सही, लहरों से टकराती तो है... 4. भूख है तो सब्र कर, रोटी नहीं तो क्या हुआ, आजकल दिल्ली में है जेरे बहस ये मुद्दा... 5. कहीं पे धूप की चादर बिछाके बैठ गए, कहीं ये शाम सिरहाने लगा के बैठ गए... 6. चाँदनी छत पे चल रही होगी, अब अकेली टहल रही होगी... 	15 तासिकाएँ
इकाई-II	<p>गज़ल रचनाएँ : (साये में धूप)</p> <ol style="list-style-type: none"> 1. हो गई है पीर पर्वत-सी पिघलनी चाहिए, इस हिमालय से कोई गंगा निकलनी चाहिए... 2. आज सड़कों पर लिखे हैं सैकड़ों नारे न देख, घर अँधेरा देख तू, आकाश के तारे न देख... 3. मेरे गीत तुम्हारे पास सहारा पाने आएँगे, मेरे बाद तुम्हें ये मेरी याद दिलाने आएँगे... 4. ये सच है कि पाँवों ने बहुत कष्ट उठाए, पर पाँव किसी तरह राहों पे तो आए... 5. बाढ़ की संभावनाएँ सामने हैं, और नदियों के किनारे घर बने हैं... 	15 तासिकाएँ

	6. रोज़ जब रात को बारह का गजर होता है, यातनाओं के अँधेरे में सफ़र होता है... 7. एक कबूतर, चिट्ठी लेकर, पहली-पहली बार उडा, मौसम एक गुलेल लिये था पट से नीचे आन गिरा... 8. मैं जिसे ओढ़ता-बिछाता हूँ वो गज़ल आपको सुनाता हूँ... 9. अब किसी को भी नज़र आती नहीं कोई दरार, घर की हर दीवार पर चिपके हैं इनते इश्तहार... 10. तुम्हारे पाँवों के नीचे कोई जमीन नहीं, कमाल ये है कि फिर भी तुम्हें यकीन नहीं...	
इकाई-III	पाठ्यपुस्तकेतर पाठ्यक्रम : सरकारी पत्रलेखन : 1. सरकारी पत्र, 2. अर्द्ध सरकारी पत्र 3. कार्यालय ज्ञापन 4. परिपत्र 5. कार्यालय आदेश	15 तासिकाएँ

पूर्णांक : 100

आंतरिक मूल्यांकन : 30 अंक (लघुत्तरी परीक्षा- 20 अंक, शोध परियोजना/समूह परियोजना/मौखिक प्रस्तुति/क्षेत्रीय अध्ययन- 10 अंक)

सत्रांत परीक्षा : 70 अंक

सत्रांत परीक्षा – प्रश्नपत्र का प्रारूप :

(शैक्षिक वर्ष 2021-22 से आगे)

समय : 3 घंटे

अंक : 70

प्रश्न 1. इकाई – I पर चार में से दो प्रश्न :

14 अंक

प्रश्न 2. इकाई – II पर चार में से दो प्रश्न :

14 अंक

प्रश्न 3. इकाई – I और II पर (दो + दो) चार टिप्पणी में से दो प्रश्न :

14 अंक

प्रश्न 4. अ) इकाई – I पर दो में से एक संदर्भ :

14 अंक

ब) इकाई – II पर दो में से एक संदर्भ :

प्रश्न 5. पत्रलेखन चार में से दो प्रश्न :

14 अंक



Savitribai Phule Pune University, Pune

Faculty of Humanities

T.Y.B.A. in History

Choice Based Credit System Syllabus

To be implemented from the Academic Year 2021-2022

- a) Peasant Movement.
- b) Workers Movement.
- c) Dalit Movement.
- d) Women's Movement.
- e) Tribal Movement.

Reference Books:

English

- 1.Chandra Bipan, Mukherjee Mridula, Mukherjee Aditya, Panikkar K.N. and Mahajan Sucheta- India's struggle for Independence, Penguin Books(India),1990.
- 2.Chandra Bipan, Essays on Contemporary India, Har- Anand publication, New Delhi, 1993.
- 3.Chandra Bipan - The Rise and Growth of Economic Nationalism in India People's Publishing House, New Delhi,1966.
- 4.Desai A.R. - Social Background of Indian Nationalism, Popular Prakashan, Bombay, 1984.
- 5.Dodwell H.H. - Cambridge History of India Vol V, VI
- 6.Dutt R.C. - Economic History of India Vol 1,2, London, 1901 reprint Government of India press, Nashik, 1960.
- 7.Guha Ramchandra (ed.), Makers of Modern India, Penguin group, New Delhi, 2010.
- 8.Gopal S. - British policy in India 1858-1905, Cambridge University Press, 1965.
- 9.Mujumdar R. C., History of the freedom movement in India, Vol. I-III.
- 10.Mujumdar R.C. (ed.) The History and Culture of the Indian People Vol. I - IX British paramountcy and Indian Renaissance Vol IX.
- 11.Menon V.P. - The Transfer of power in India Princeton University Press,1957.
- 12.Moon Vasant, Dr Babasaheb Ambedkar writing and speeches Government of Maharashtra, Bombay.
- 13.Sarkar Sumit, - Modern India :1885 - 1947, Macmillan India Ltd., Madras, 1986.
- 14.Sarkar Sumit - Bibliographical survey of social Reform movement in the 18th &19th century (ICHR 1975).
- 15.Tara Chand - History of freedom Movement, Vol. I - IV publication Division, Ministry of Information and Broadcasting, Government of India, New Delhi,1983.

संदर्भग्रंथ- मराठी:

१. आंबेडकर बाबासाहेब, पाकिस्तान अर्थात भारताची फाळणी, (अनु.दीपक पंचभाई) प्रबुद्धभारत पुस्तकालय, नागपूर, २०१८.
२. कदम मनोहर, भारतीय कामगार चळवळीचे जनक: नारायण मेघाजी लोखंडे, अक्षर प्रकाशन, २००२.
३. केतकर कुमार, कथा स्वातंत्र्याची (महाराष्ट्र), पुणे, १९८५.
४. गर्गे स. मा., भारतीय समाज विज्ञान कोश, खंड १ ते ४, मेहता पब्लिशिंग हाऊस, पुणे, २००७ .
५. चपळगावकर नरेन्द्र, तीन न्यायमूर्ती आणि त्यांचा काळ, मौज प्रकाशन, मुंबई, २०१०.
६. चंद्र बिपन, मुखर्जी, पण्णीकर, महाजन, इंडियाज स्ट्रगल फॉर इंडिपेंडेंस, (अनु.) काळे एम.व्ही. भारताचा स्वातंत्र्य संघर्ष, के. सागर पब्लिकेशन्स, पुणे, २००३.

Savitribai Phule Pune University, Pune
Proposed syllabus in History for TYBA (Credit system)
From the Academic Year 2021-22
Under the Faculty of Humanities
Core Course 4 (3 Credit)
Semester VI: Course Title: - India After Independence- (1947-1991)

Objectives:

1. To make the students aware about the making of Contemporary India and events that panned out in the Post-Independence Era.
2. To make the students aware of the Multi-Dimensionality of Modern India.
3. To highlight the ideas, institutions, forces and movements that contributed to the shaping of Indian Modernity.
4. To acquaint the students with various Interpretative and Analytical perspectives.

Course Outcomes:

1. It will enable students to develop an overall understanding of the Contemporary India.
2. To increase the spirit of healthy Nationalism, Democratic Values and Secularism among the students.
3. Students will understand various aspects of India's domestic and foreign policies that shaped Post-Independence India.

Pedagogy: Lectures / Visual Presentation / Critical Analysis / Assignments / Test/ e-learning

Unit I: Challenges after Independence **13**

- a) Consequences of Partition
- b) Integration of Princely states- Kashmir, Junagadh, Hyderabad
- c) Liberation of Portuguese and French Colonies- Goa, Pondicherry, Chandranagore
- d) Indian Constitution – Salient Features
- e) Linguistic Reorganization of States

Unit II: India's Foreign Policy **10**

- a) Non Aligned Movement
- b) Indo-Pak Relations, Conflicts and the birth of Bangladesh
- c) Indo-Sino Relations, Conflicts and Panchsheel
- d) Indo-Sri Lanka Relations

Unit III: Domestic Policy

10

- a) Hindu Code Bill: Nature and Impact
- b) Emergency: Background, Nature and Impact
- c) Space Research

Unit IV: Economic Policy

12

- a) Mixed Economy and Five Year Plans
- b) Industrial Development
- c) Nationalization of Banks - First Demonetization
- d) Privatization, Liberalization and Globalization: Brief Introduction

Reference Books:

English

1. Chandra Bipan: Mukherjee Mridula: Mukherjee Aditya; India After Independence; Penguin: India 1999
2. Lapiere Dominique and Collins Larry; Freedom at Mid night; William Collins and Simon & Schuster; UK & USA;1975
3. Guha Ramchandra; India After Gandhi: The History of the World's Largest Democracy; Harper Collins; India; 2007
4. Metcalf Barbara D., Metcalf Thomas R; [A Concise History of Modern India](#); [Cambridge University Press](#); 2012
5. Talbot Ian, Singh Gurharpal; [The Partition of India](#), Cambridge University Press; 2009
6. Wolpert Stanley; [A New History of India](#), Oxford University Press; 1977
7. Ansari Sarah Life after Partition: Migration, Community and Strife in Sindh: 1947–1962; Oxford, UK: Oxford University Press; 2005.
8. Sarvepalli Gopal, Jawaharlal Nehru: A Biography. 1947-1956. Volume Two (1979)
9. Chacko Priya; [Indian Foreign Policy: The Politics of Postcolonial Identity from 1947 to 2004](#); Routledge; 2013.
10. Kulke, Hermann; A History of India; Routledge; 2004
11. Menon Shivshankar Menon; [Choices: Inside the Making of India s Foreign Policy](#); Penguin; India; 2016
12. G.W. Choudhury, India, Pakistan, Bangladesh, and the major powers: politics of a divided subcontinent; Cambridge University Press; India;1975
13. Kore, V.S. "[Liberation of Goa: Role Of The Indian Navy](#)"; Bharat Rakshak; 2013.
14. Ashton, S.R.; British Policy towards the Indian States, 1905–1938, London Studies on South Asia no. 2, London; Curzon Press;2003
15. [Khanna, Justice H.R.](#); Making of India's Constitution; Eastern Book Company; 2008.
16. [Austin, Granville](#); The Indian Constitution: Cornerstone of a Nation (2nd ed.). Oxford University Press;1999
17. Ganguly Sumit; '[India, Pakistan, and Bangladesh: Civil-Military Relations](#)', Oxford Research Encyclopaedia of Politics, Oxford University Press; 2020
18. Sukumaran, R; '[1962 India-China War and Kargil 1999: Restrictions on Air Power](#)'; 2003

Savitribai Phule Pune University, Pune
Proposed Syllabus in History for TYBA (Credit system)
From the Academic Year 2021-22
Under the Faculty of Humanities
Discipline Specific Elective Courses (DSE-4D)- (3) Credit
Semester -VI, Course Title: History of Maharashtra in the 20thCentury

Course Objectives:

1. To Introduce the students to the history of 20th Century in Maharashtra
2. To study Political, Social, Economic and Conceptual History of the 20th Century Maharashtra in an Analytical way with the help of Primary Sources.
3. To evaluate contribution of 20th Century in Maharashtra to the establishment of Maharashtra state contribution of successors and later development of the 19th century Maharashtra
4. To study Socio-Religious System of the 20th Century in Maharashtra.

Course Outcomes:

1. Student will develop the ability to analyses sources for 20th Century Maharashtra History.
2. Student will learn significance of regional history and Socio- Religious Reformism foundation of the region.
3. It will enhance their Perception of 20th Century Maharashtra.
4. Appreciate the skills of leadership and the Socio-Religious System of the Maharashtra.

Pedagogy:

Lectures / Visual Presentation / Critical Analysis / Assignments / Test/ e-learning

Course content

Unit I. Thoughts and work of Intellectuals

15

- a) Pandita Ramabai
- b) Rajarshri Chhatrapati Shahu Maharaj
- c) Maharshi Vitthal Ramji Shinde
- d) Maharshi Dhondo Keshav Karve
- e) Maharaja Sayajirao Gaikwad.
- f) Dr. Babasaheb Ambedkar
- g) Karmaveer Bhaurao Patil

Unit II. Industrial and Economic Development of Maharashtra 10

- a) Industrialization and Urbanization
- b) Cotton and Sugar Industry
- c) Co-operative Movement -Brief survey

Unit III. Movements in 20th Century Maharashtra 10

- a) Workers Movement
- b) Peasants Movement
- c) Dalit Movement
- d) Non-Brahmin Movement

Unit IV. Integration and Reorganization of Maharashtra 10

- a) Marathawada Mukti Sangram
- b) Sanyukta Maharashtra Movement
- c) Maharashtra-Karnataka Border Dispute

Reference Books

English:

1. Ballhatchet Kenneth, Social Policy and Social Change in Western India. 1817-1830, OUP, 1961.
2. Nurullah Syed and Naik J.P. A History of Education in India (During the British Period) Macmillan ana Co.Ltd. Bombay,1951.
3. Paranjpe Shrikant, Dixit Raja and Das C.R. Western India: History Society and Culture, Itihas Shikshak Mahamandal, Maharashtra, Pune-1997.
4. Ravindra Kumar, Western India in the Nineteenth Century: A Study in the Social History of Maharashtra Routledge and Kegan Paul, Toronto, 1968.

मराठी:

१. अत्रे शुभांगी, महाराष्ट्र संस्कृती, डायमंड प्रकाशन, पुणे.१८१८
२. कीर धनंजय, महात्मा ज्योतिराव फुले आमच्या समाज क्रांतीचे जनक, पॉपुलर प्रकाशन, मुंबई.२०१२
३. कुलकर्णी शिल्पा, महाराष्ट्राचे समाज सुधारक, डायमंड प्रकाशन, पुणे.२०१२
४. कुलकर्णी, पु. बा. ना. नाना शंकरशेट यांचे चरित्र, मुंबई,१९५९
५. केतकर कुमार, कथा स्वातंत्र्याची, ग्रंथाली प्रकाशन, पुणे.१९८५
६. गरुड अण्णासाहेब, सावंत बी.बी. महाराष्ट्रातील समाज सुधारणा चळवळीचा इतिहास, कैलास पब्लिकेशन, औरंगाबाद १९८६



Savitribai Phule Pune University, Pune

Faculty of Humanities

T.Y.B.A. in History

Choice Based Credit System Syllabus

To be implemented from the Academic Year 2021-2022

- a) Peasant Movement.
- b) Workers Movement.
- c) Dalit Movement.
- d) Women's Movement.
- e) Tribal Movement.

Reference Books:

English

- 1.Chandra Bipan, Mukherjee Mridula, Mukherjee Aditya, Panikkar K.N. and Mahajan Sucheta- India's struggle for Independence, Penguin Books(India),1990.
- 2.Chandra Bipan, Essays on Contemporary India, Har- Anand publication, New Delhi, 1993.
- 3.Chandra Bipan - The Rise and Growth of Economic Nationalism in India People's Publishing House, New Delhi,1966.
- 4.Desai A.R. - Social Background of Indian Nationalism, Popular Prakashan, Bombay, 1984.
- 5.Dodwell H.H. - Cambridge History of India Vol V, VI
- 6.Dutt R.C. - Economic History of India Vol 1,2, London, 1901 reprint Government of India press, Nashik, 1960.
- 7.Guha Ramchandra (ed.), Makers of Modern India, Penguin group, New Delhi, 2010.
- 8.Gopal S. - British policy in India 1858-1905, Cambridge University Press, 1965.
- 9.Mujumdar R. C., History of the freedom movement in India, Vol. I-III.
- 10.Mujumdar R.C. (ed.) The History and Culture of the Indian People Vol. I - IX British paramountcy and Indian Renaissance Vol IX.
- 11.Menon V.P. - The Transfer of power in India Princeton University Press,1957.
- 12.Moon Vasant, Dr Babasaheb Ambedkar writing and speeches Government of Maharashtra, Bombay.
- 13.Sarkar Sumit, - Modern India :1885 - 1947, Macmillan India Ltd., Madras, 1986.
- 14.Sarkar Sumit - Bibliographical survey of social Reform movement in the 18th &19th century (ICHR 1975).
- 15.Tara Chand - History of freedom Movement, Vol. I - IV publication Division, Ministry of Information and Broadcasting, Government of India, New Delhi,1983.

संदर्भग्रंथ- मराठी:

१. आंबेडकर बाबासाहेब, पाकिस्तान अर्थात भारताची फाळणी, (अनु.दीपक पंचभाई) प्रबुद्धभारत पुस्तकालय, नागपूर, २०१८.
२. कदम मनोहर, भारतीय कामगार चळवळीचे जनक: नारायण मेघाजी लोखंडे, अक्षर प्रकाशन, २००२.
३. केतकर कुमार, कथा स्वातंत्र्याची (महाराष्ट्र), पुणे, १९८५.
४. गर्गे स. मा., भारतीय समाज विज्ञान कोश, खंड १ ते ४, मेहता पब्लिशिंग हाऊस, पुणे, २००७ .
५. चपळगावकर नरेन्द्र, तीन न्यायमूर्ती आणि त्यांचा काळ, मौज प्रकाशन, मुंबई, २०१०.
६. चंद्र बिपन, मुखर्जी, पण्णीकर, महाजन, इंडियाज स्ट्रगल फॉर इंडिपेंडेंस, (अनु.) काळे एम.व्ही. भारताचा स्वातंत्र्य संघर्ष, के. सागर पब्लिकेशन्स, पुणे, २००३.

Savitribai Phule Pune University, Pune
Proposed syllabus in History for TYBA (Credit system)
From the Academic Year 2021-22
Under the Faculty of Humanities
Core Course 4 (3 Credit)
Semester VI: Course Title: - India After Independence- (1947-1991)

Objectives:

1. To make the students aware about the making of Contemporary India and events that panned out in the Post-Independence Era.
2. To make the students aware of the Multi-Dimensionality of Modern India.
3. To highlight the ideas, institutions, forces and movements that contributed to the shaping of Indian Modernity.
4. To acquaint the students with various Interpretative and Analytical perspectives.

Course Outcomes:

1. It will enable students to develop an overall understanding of the Contemporary India.
2. To increase the spirit of healthy Nationalism, Democratic Values and Secularism among the students.
3. Students will understand various aspects of India's domestic and foreign policies that shaped Post-Independence India.

Pedagogy: Lectures / Visual Presentation / Critical Analysis / Assignments / Test/ e-learning

Unit I: Challenges after Independence **13**

- a) Consequences of Partition
- b) Integration of Princely states- Kashmir, Junagadh, Hyderabad
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१. अत्रे शुभांगी, महाराष्ट्र संस्कृती, डायमंड प्रकाशन, पुणे.१८१८
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३. कुलकर्णी शिल्पा, महाराष्ट्राचे समाज सुधारक, डायमंड प्रकाशन, पुणे.२०१२
४. कुलकर्णी, पु. बा. ना. नाना शंकरशेट यांचे चरित्र, मुंबई,१९५९
५. केतकर कुमार, कथा स्वातंत्र्याची, ग्रंथाली प्रकाशन, पुणे.१९८५
६. गरुड अण्णासाहेब, सावंत बी.बी. महाराष्ट्रातील समाज सुधारणा चळवळीचा इतिहास, कैलास पब्लिकेशन, औरंगाबाद १९८६



Maratha Vidya Prasarak Samaj ,
Smt Vimalaben Tejooaka Arts, Science and Commerce College,
Deolali Camp, Nashik

1.3.1 Cross Cutting Issues (Professional Ethics, Gender, Human Values, Environmental and Sustainability)

Dept.Marathi-2022-23

(CHOICE BASED CREDIT SYSTEM)

SYLLABUS CROSS CUTTING ISSUES

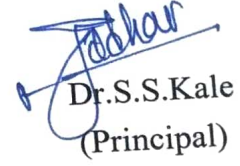
CLASS	TOPIC	CROSS CUTTING
FYBA(11021)	समकालीन कथा पाठ्यपुस्तक	समता,पर्यावरण जाणीव,मानवता ,सत्य,शिव ,सुंदर ,आत्मसन्मान,आत्मभान,ममता ,निगर्वीपणा,आत्मविश्वास ,सेवा,त्याग,बल,
FYBA(12021)	एकांकिका विठठल तो आला आला -पू.ल.देशपांडे हंडाभर चांदण्या -दत्ता पाटील	भक्ती एकेश्वर,सर्वाभूती समाभाव .भूतदया,धर्म निरपेक्षता ,सेवा.परमत सहिष्णूता ,एकात्मता,संघटन,
SYBA(23023)	रारंग ढांग (कादंबरी)-प्रभाकर पेंढारकर	देशभक्ती,त्याग ,सेवा,श्रम,निष्ठा ,बांधिलकी ,प्रमाणीकपणा, आत्मभान स्वाभिमान,
	ललित गद्य(गद्यलेख)	चिकाटी,ज्ञानलालसा ,शौर्य,जिज्ञासा,निष्काम कर्मयोग,धाडस,मातृभूमी प्रेम,
TYBA(35023)	तीन मुलांचे तीन दिवस- (प्रवासवर्णन)आदर्श पाटील आणि इतर	अभ्यासू वृत्ती,शास
	रूप कवितेचे	समता,स्वातंत्र्य,बंधुत्व,सामाजिक ज्ञानलालसा संघर्ष साहिंसा,प्रेम , अहिंसा,चातुर्य,स्वाभिमान मातृभूमी, अभिमान,सेवा
FYBCOM-	उत्कर्षवाटा -राजेंद्र आणि इतर	श्रम, निर्भयता, सामजिक ,बांधिलकी सेवा पर्यावरण आत्मभान
SYBSC	विज्ञान कथा	वैज्ञानिक दृष्टीकोन श्रध्दा ,सत्य शिव समता
SYBA SPL paper- I	प्रकाशवाट- बाबा आमटे [आत्मचरित्र]	परिश्रम सेवा त्याग समर्पण, दान सेवा भूतद्या धर्मनिरपेक्षता

paper II	मध्ययुगीन मराठी साहित्य: वनिडक मध्ययुगीन गद्य, पद्य	शांती, सेवा, सहिष्णुता, समानता, बंधुत्व, भूतदया, एकेश्वर, मानवता
TYBA SPL-		
paper- III	मध्ययुगीन मराठी वाङ्मयाचा स्थूल इवतास : प्रारंभ ते इ.स. १६०० मध्ययुगीन मराठी वाङ्मयाचा स्थूल इवतहास - इ.स. १६०१ ते इ.स. १८१७	शांती, सेवा, सहिष्णुता, समानता, बंधुत्व, भक्ती , ज्ञानलालसा भूतदया, एकेश्वर, मानवता
paper IV	वर्णनात्मक भाषा विज्ञान	भाषिक आणि सांस्कृतिक संवेदन



Prof. D.T. Jadhav
(Hod of Marathi Dept.)
H.O.D.
Department of Marathi
Smt. Vimlaben Khimji Tejookaya,
Arts, Science & Commerce College,
Deolali-Camp, (Nasik)





Dr. S.S. Kale
(Principal)
PRINCIPAL
Smt. Vimlaben Khimji Tejookaya,
Arts, Science & Commerce College
Deolali-Camp (Nasik)



SAVITRIBAI PHULE PUNE UNIVERSITY

(formerly University of Pune)

F.Y.B.A. HISTORY

Syllabus

(Semester & Choice Based Credit System)

(To be implemented from the Academic Year, 2019-20)

F.Y.B.A. HISTORY

Under the Faculty of Humanities

Total Credits: 03

Semester-I Early India: From Prehistory to the Age of the Mauryas

Objectives:

The history of Early India is a crucial part of Indian history. It is a base for understanding the entire Indian history. The course is aimed at helping the student to understand the history of early India from the prehistoric times to the age of the Mauryas. It attempts to highlight the factors and forces behind the rise, growth and spread of civilization and culture of India along with the dynastic history. It also attempts to help the students to understand the contribution of Early Indians to polity, art, literature, philosophy, religion and science and technology. It also aims to foster the spirit of enquiry among the students by studying the major developments in early Indian history.

Unit I: Early India: Sources and Prehistory

[12]

- (a) Importance of Early History
- (b) Sources and Tools of historical reconstruction – Archaeology (Material remains), Epigraphy (Inscriptions), Numismatics (Coins), Literary Sources, Foreign Accounts
- (c) Palaeolithic, Mesolithic, Neolithic and Chalcolithic Cultures: A Brief Review

Unit II: Harappan Culture: Bronze Age Civilization

[12]

- (a) Geographical Extent, Town Planning, Trade, Religious Practices
- (b) Art, Crafts and Technology: Pottery, Seals, Beads, Images, Terracotta Figurines
Metallurgy, Script and Decline

Unit III: Vedic Culture, Religious Protest: Jainism and Buddhism

[12]

- (a) Vedic and Later Vedic Culture: Original home, Tribal Polity, Social Divisions, Rituals and Philosophy
- (b) Jainism and Buddhism: Causes of Origin, Doctrines, Contributions and Importance

Semester-II

Early India: Post Mauryan Age to the Rashtrakutas

Objectives:

The history of India after the Mauryas is very important to understand the developments in early India after the Mauryas, which finally led to the transition to medieval India. The course is aimed at introducing the students to the developments in different parts of India through a brief study of regional kingdoms up to the tenth century C.E. It attempts to highlight the consequences of the foreign invasions, particularly on the polity, economy, society and art and architecture. The attempt is also to instill the spirit of enquiry among the students.

Unit I: Central Asian Contacts and the Age of the Shung-Satvahanas [12]

- (a) The Indo-Greeks, The Shakas, The Parthians, The Kushanas: Economy, Society, Religion and Culture
- (b) The Age of Shung-Satvahanas: Polity and Administration, Society, Economy, Culture

Unit II: Early History of South India [12]

- (a) Period of Sangam Literature – Society and Culture, early polities
- (b) Economy: Towns, Trade and Crafts

Unit III: North India: Gupta and Harshvardhan [12]

- (a) The Gupta Empire – Brief Political History, Administration, Society, Trade, Science and Technology
- (b) Harshvardhan: Administration, Religion, Education

Unit IV: Regional Kingdoms: A Brief History [12]

- (a) The Chalukyas, Pallavas, Pandya - Struggle for Supremacy over Peninsular India
- (b) Rashtrakutas, Palas, Parmaras- Tripartite Struggle
- (c) Literature, Religion, Art and Architecture



Savitribai Phule Pune University

(Formerly University of Pune)

M.A. ECONOMICS SYLLABUS

(CREDIT & SEMESTER SYSTEM)

**Revised syllabus will be implemented with effect from the
academic year 2020-2021 at College & P.G. Centers**

M.A. ECONOMICS - PART II
(CREDIT & SEMESTER SYSTEM)
SYLLABUS: FROM JUNE 2020

Information:

The M.A. degree will be awarded to students who complete a total of 64 credits in a minimum of two years taking four courses per Semester (4X4=16 credits). Each course will be of 4 credits.

- A Student may take three courses (twelve credits) per semester from the parent department and therefore one course of four credits from any other department per semester. In case a student wishes to take all courses from the parent department he/she may also do so.
- All courses are open to all students from outside the department. Eligibility for registering for each course will be decided by the departmental committee.
- For the students doing M.A. degree in Economics the courses are divided into compulsory and Elective. Every student has to take three core courses and one elective course each semester.

Evaluation

- Each course will have 50% marks as End of Semester Examination and 50% marks for Continuous Assessment.
- The student has to pass in the combined total of Continuous Assessment and End of Semester Examination.
- In order to pass a student shall have to get minimum 40% marks (E and above on grade point scale) in each course. Any student getting less than 16 marks in each component will be declared as failed, even if the combined total is over 40%.
- If a student misses a Continuous Assessment examination, he/she will have a second chance with the permission of the teacher concerned. Students who have failed for the entire course may reappear at the semester-end exam. Their internal marks will not change. They can also repeat during the 5th /the 6th semester whichever is applicable

**Revised Syllabus To Be Implemented From Academic Year JUNE 2020-2021
at College & P.G. Centers**

M.A. Part- II, Semester- III		M.A. Part- II, Semester- IV	
Core Papers Compulsory Paper		Core Papers Compulsory Paper	
EC-3001	Macro Economics Analysis-I	EC-4001	Macro I Economics Analysis II
EC-3002	Growth & Development -I	EC-4002	Growth & Development II
EC-3003	Research Methodology- I	EC-4003	Research Project(Only Regular Students) Research Methodology - II (Only External Students)

(Any ONE to be selected)

Elective Papers		Elective Papers	
EC-3004	Economics of Finance	EC-4004	Econometrics
EC-3004	Demography	EC-4004	Public Policy
EC-3004	Capital Market	EC-4004	Economics of Environment
EC-3004	Industrial Economics	EC-4004	Foreign Exchange Market

M.A. ECONOMICS PART- II

SEMESTER III

CORE PAPERS (COMPULSORY PAPER)

01 - MACRO ECONOMICS ANALYSIS - I

02 - GROWTH AND DEVELOPMENT- I

03 - RESEARCH METHODOLOGY- I

CORE COURSE
SEMESTER III
EC-3001
MACRO ECONOMICS ANALYSIS - I
(This course will have *FOUR* credits)

PREAMBLE

Macroeconomics or aggregative economics analysis establishes the functional relationship between various aggregates of the economy. Aggregative analysis assumed such a great significance in recent times that a prior understanding of macroeconomic theoretical structure is considered essential for proper comprehension of different issues and policies. Macroeconomics now is not only a scientific method of analysis but also a body of empirical economic knowledge. The course equips the students at the postgraduate level to understand systematic facts and theoretical developments for empirical analysis,

Course Objectives:

- To provide a thorough understanding of the principles of macroeconomics and the application of macroeconomic concepts in real-life situations.
- To discuss the modern developments in macroeconomics.

Programme Outcome:

- Ability to analyze and demonstrate knowledge of the basic theories/laws in macroeconomics.
- At the end of the course, the student should be able to evaluate macroeconomic concepts, models and its use in real life situations.

1. Traditional Approaches to Macroeconomics **12**

- 1.1 Classical Approach-Introduction and main features
- 1.2 Keynesian Approach-Introduction and main features
- 1.3 Neoclassical Approach-Introduction and main features

2. National Income and Social Accounting **12**

- 2.1 Circular Flow Income in two-three and four sector economy
- 2.2 Different forms of national income accounting-
 - 2.2.1 Social accounting
 - 2.2.2 Input-output accounting
 - 2.2.3 Flow of funds Accounting
 - 2.2.4 Balance of payments Accounting
 - 2.2.5 Matrix presentation of Social Accounting

3. Demand and Supply of Money **12**

- 3.1 Definition of Money, Debates relating to definition of Money
- 3.2 The Liquidity Theory, Gurley and Shaw Hypothesis, Demand for Money-Classical and Keynesian
- 3.4 Cash Balance Approach- Post Keynesian Theories of Demand for Money, Tobins Approach, Baumol's Inventory Theoretic Approach, Friedman's Theory of Demand for Money.

4. Supply of Money

12

- 4.1 Financial Intermediation
- 4.2 A Mechanistic Model of Bank Deposit Determination.
- 4.3 A Behavior Model of Money Supply Determination,
- 4.4 A Demand-determined Money Supply process,
- 4.5 RBI approach to Money Supply-High Powered Money and Money Multiplier; Budget Deficit and Money Supply, Money Supply and Open Economy.
- 4.7 Control of Money Supply.

BASIC READING LIST:

1. August Swanenberg (2005) 'Macroeconomics Demystified' A Self Teaching Guide, McGraw Hill Education
2. Ackley,G.(1978), Macro Economics : Theory and Policy, Macmillan, New York.
3. Agrawal Vanita, Macroeconomics: Theory and Policy, Pearson Publication, New Delhi.
4. Ahuja H.L., Macroeconomics: Theory and Practice, S.Chand & Co. New Delhi.
5. Blackhouse, R. and A. Salansi (Eds.) (2000) Macroeconomics and the Real World (2 Vols.), Oxford University Press, London. Dornbusch,
6. Campbell R. McConnell, Stanley L. Brue, (2001) Macroeconomics: Principles, Problems and Policies', McGraw Hill, Inc, New York.
7. Froyen Richard T (2006) 'Macroeconomics– Theories and Policies' Pearson Education; 8th edition
8. Gupta S.B. (1997) 'Monetary planning for India' OUP
9. Jha, R. (1991), Contemporary Macroeconomic Theory and Policy, Wiley Eastern Ltd., New Delhi.
10. Mankiw Gregory (2007) 'Macroeconomics' Worth, New York
11. Rao, V.K.R.V. (1983) India's National Income : 1950 to 1980, Sage Publications, New Delhi
12. Gupta, S.B. (1995), Monetary Planning in India, OUP, New Delhi.
13. Sampat Mukherjee (2013), 'A Global Text-Macroeconomics', New Central Book Agency
14. Soumyen Sikdar (2006) 'Principles of Macroeconomics' Oxford University Press

Recommended Readings:

1. Branson, W.A. (1989), Macroeconomic Theory and Policy, (3rd Edition), Harper and Row, New York.
2. Culbertson, J.M. (1968), Macroeconomic Theory and Stabilization Policy, McGraw Hill, Kogenkosh, Tokyo.
3. Duesenberry, J.S. (1949), Income Saving and the Theory of Consumer Behaviour. Harvard University Press, Harvard.
4. Edey, M. and A.T. Peacock (1967), National Income and Social Accounts, Hutchinson University Library, London
5. Fisher, Dornbusch, Schamalensee (1988) 'Economics' McGraw Hill International Edition ; 2nd edition
6. Friedman, M. (1957), The Theory of Consumption Function, Princeton University Press Princeton.
7. Friedman, M. (1956), Studies in the Quantity Theory of Money, The University of Chicago Press, Chicago
8. Glahe, Fred, R.(1973), Macroeconomics: Theory and Policy, Harcourt Brace Javanovich, Inc, New York.
9. Harris Lawrence (1980) 'Monetary Theory' McGraw Hill Inc.
10. Keynes, J.M. (1936), 'The General Theory of Employment Interest and Money',

Macmillan, London.

11. Ruggles, R. and N. Ruggles (1956), National Income Accounts and Income Analysis, McGraw Hill New York.
12. Shapiro, E.(1996) Macroeconomic Analysis, Galgotia Publications, New Delhi.
13. D.Wrightsman 'An Introduction to Monetary Theory and Policy' The Free Press New York 1983
14. Bhise V.B , Khandare V.B & Babar , (2014) Macro Economics ,Chinmay Publication Aurangabad.
15. Kute S & Rithe M ,Macro Economics , Prashant Publication Jalgaon, MS ,India.

Recommended Journals:

Applied Economics- Taylor & Francis Online

Journal of Macroeconomics-Elsevier

Macroeconomics and Finance in Emerging Market Economies- Taylor & Francis Online

The Indian Economic Journal- Sage Journal

CORE COURSE
SEMESTER III
EC- 3002
GROWTH AND DEVELOPMENT- I
(This course will have *FOUR* credits)

PREAMBLE

The course makes an attempt to provide an introduction to the economics of Growth and Development and at the same time provide an understanding of the analytical rigour of the subject. Growth and Development-I is a core course that covers meaning and concept of Economic Growth and Development, measuring the economic growth and development, theories of economic growth and development, poverty, inequality and unemployment and role human capital in economic development . Growth and development-I will try to clear the concepts regarding the economic growth and development and provides basic knowledge to the students to get engaged in the activities.

Course Objectives:

- To enable learning and understanding of the basic concepts and process to measure the growth and economic development etc.
- To analyze and evaluate the obstacles in the process of economic growth and development

Programme Outcome:

- Ability to apply the concepts of economic growth and compare international comparison of economic development, etc.
- Ability to analyze and demonstrate knowledge of the economic growth and development theories of economic growth and development

1 Principles and Concepts of Growth and Development 12

- 1.1 Concepts of growth and Development
- 1.2 Measuring Economic Development: Income and Alternative Measures
- 1.3 International Comparison of Incomes: PPP and Exchange Rate Approaches
- 1.4 Developing / Emerging Economies – Concept
- 1.5 Barriers to Economic Development

2 Theories of Economic Development and Growth 12

- 2.1 Classical Theory of Economic Development: Adam Smith
- 2.2 The Harrod-Domar Model
- 2.3 Solow model of economic growth
- 2.4 The Cobb-Douglas Production Function
- 2.5 The Big push theory
- 2.6 The New (Endogenous) Growth Theory

3 Poverty, Inequality and Unemployment 12

- 3.1 Measurement of Poverty- Uni-dimensional & Multi-dimensional, Amartya Sen's Approach to Poverty measurement, Rural and Urban Poverty, Participatory Approach to Poverty, Women and Poverty
- 3.2 Measuring Inequality, Lorenz Curve, Gini Coefficient, Functional Distribution,
- 3.3 Challenge of Unemployment, Disguised Unemployment and Economic Development, Concept of Jobless Growth
- 3.4 Employment and Migration

4 Human Capital and Economic Development

12

- 4.1 Theory of Demographic Transition
- 4.2 Human Capital Approach of Development
- 4.3 Demographic Dividends
- 4.3 Education, Skill and Wages, Health and Efficiency to Work
- 4.5 Optimum Population

Basic Reading List:

1. Basu Kaushik (1998) Analytic Development Economics: The Less Developed Economy Revisited', OUP
2. Behrman, S. and T.N. Srinivasan (1995), Handbook of Development Economics, Vol. 3, Elsevier, Amsterdam.
3. Felix Raj, Sampat Mukherjee, Mallinath Mukherjee, Amitava Ghose, Ranjanendra N. Nag (2007) "Contemporary Development Economics From Adam Smith to Amartya Sen", New Central Book Agency Private Limited
4. Gillis, M., D.H. Perkins, M. Romer and D.R. Snodgrass (1992), Economics of Development,(3rd Edition), W.W. Norton, New York.
5. Kindleberger, C.P. (1977), Economic Development, (3rd Edition), McGraw Hill, New York
6. Meier Gerald M. and James E. Rauch, "Leading Issues in Economic Development" Oxford University Press, 2006
7. Ray Debraj (1998) "Development Economics", Oxford University Press
8. Solow Robert M. (2000) "Growth Theory An Exposition" Oxford University Press
9. Thirwall, A.P. (1999), (6th Edition), Growth and Development, Macmillan, U.K.
10. Todaro, M.P. (1996), (6th Edition), Economic Development, Longman, London.

Recommended Readings:

1. Banerjee Abhijit V, Esther Duflo (2013) 'Poor Economics: Rethinking Poverty & the Ways to End it' Penguin
2. Barro Robert J. and Xavier Sala-i-Martin (2004) "Economic Growth " Prentice Hall of India Brown, M. (1966), On the Theory and Measurement of Technical Change, Cambridge University Press, Cambridge, Mass.
3. Chenery, H. and T.N. Srinivasan (Eds.) (1989), Handbook of Development Economics, Vols.1 & 2, Elsevier, Amsterdam
4. Dasgupta, P. (1993), An Enquiry into Well-being and Destitution, Clarendon Press, Oxford.
5. Gillis, M., D.H. Perkins, M. Romer and D.R. Snodgrass (1992), Economics of Development,(3rd Edition), W.W. Norton, New York.
6. Meier, G.M. (1995), Leading Issues in Economic Development, (6th Edition), Oxford University Press, New Delhi.
7. Nayyar Deepak (2019) 'Resurgent Asia' OUP
8. Todaro Michael (1981) "Economics for A Developing World", Longman, London.
- 9 Wavre Anilkumar & Londhe M , Economics of Development and Planning , (2019) Educational Publishers , Jalgaon , MS, India.

Reports:

- Human Development Report, 1995-2009, UNDP, OUP Latest Reports
- RBI Bulletin (latest issues)
- World Development Report, Latest Reports
- World Development Indicators, World Bank, OUP, Latest Reports

Recommended Journals:

Economic Development and Cultural Change- Chicago Press

Journal of Development Economics-Elsevier

IMF Economic Review- Palgrave Macmillan

Oxford development Studies- Routledge

Review of Development Economics-Wiley

Review of World Economics-Springer

Review of Economic Dynamics- Elsevier

CORE COURSE
SEMESTER III
EC- 3003
RESEARCH METHODOLOGY I
(This course will have *FOUR* credits)

PREAMBLE

The main objective of this paper is to make the students aware of the importance of Research Methodology. Today research is of importance in every field of life. Hence students need sound initiation in the world of research. Thus this syllabus is prepared to equip students with basics of research methodology and also provide them acquaintance with the main ingredients of major sources secondary data on Economics, some hands-on experience in conduct so survey including designing questionnaire and interview schedules, collection of data, analysis of data and preparation of report.

Course Objectives:

- To enable an understanding of Research and its methods under various areas of economics.
- To demonstrate the practical and the applied aspects of research in relation to Economics.

Programme Outcome:

- Ability to develop, demonstrate and examine topics under Economics to pursue research.
- Ability to evaluate and examine subject areas in economics and explore possibilities of research.

1 Introduction

08

- 1.1 Research : Meaning ,Nature , Scoup. And Importance
- 1.2 Scientific Research : Methods - Stages /Steps
- 1.3 Social Science Research - Meaning ,Nature , Scoup. And Importance
- 1.4 Review of Literature- Need, Scope, Use and Precautions

2 Research Problem And Design

10

- 2.1 Research Problem- Meaning, Identification and Selection of Research Problems
- 2.2 Research design ; Meaning , Objective ,
- 2.3 Need , Characteristics of Research design
- 2.4 Types of research Design – Descriptive, Diagnostic ,Exploratory, Experimental

3 Data Collection And Data Analysis

12

- 3.1 Collection of Data – Meaning ,Importance
- 3.2 Sources of data – Primary Data And secondary data
- 3.3 Methods of Primary Data Collection- Questionnaire and Interview method, Schedule , Observation Method; ,
- 3.4 Secondary Data Sources
- 3.5 Sampling Method –Meaning and Types—(Probability and Non-probability)
- 3.6 Analysis of Data- Classification and Tabulation of Data
- 3.7 Computer Use Of Data Analysis

4 Testing of Hypothesis

12

- 4.1 Hypothesis: Definitions, Characteristics and Importance
- 4.2 Types Of Hypothesis
- 4.3 Procedure of Hypothesis Testing

- 4.4 Basic Concepts: Level of Significance, Statistical Errors (Type --I and Type II Error)
 4.3 Procedure of Testing of Hypothesis- Parametric and Non-Parametric tests

5 Report Writing

10

- 5.1 Objective of Report Writing
 5.2 Importance of Research Report,
 5.3 Features of Research Report
 5.4 Steps/ Element of Research Report
 5.5 Report Writing: Considerations and Precautions,
 Ordering References , Bibliography and Appendix in Research

Basic Reading List:

1. Banamati Mohanty (2015) 'Statistics for Behavioral and Social Sciences' Sage Texts
2. Bryman Alan (2018) 'Social research methods' OUP
3. Cooper Donald R. & Pamela S. Schindler (1999), "Business Research Methods", Tata McGraw-Hill Edition, New Delhi
4. Flick Uwe (2011) 'Introducing Research Methodology' Sage Publications
5. Kothari C. R, Gaurau Garg (2019) 'Research Methodology, Methods and Techniques', New Age International Publications, 4th Edition
6. Kumar Ranjit, (2012), "Research Methodology" 2nd Ed, Pearson Education
7. Wilkinson and Bhandarkar (2016) 'Methodology and Techniques of Social Science Research; HPH
8. Willson Jonathan (2017) 'Essentials of Business Research: A Guide to Doing Your Research Project' Sage Publications

Recommended Readings:

1. Basotia G.R. Sharma K.K. (1999) 'Research Methodology' Mangal Deeop Publications
2. Don E. Ehridge (2004) 'Research Methodology in Applied Economics: Organizing Planning and Conducting Economics Research', John Wiley and Sons
3. Gopal M.H. (1971) 'An Introduction to Research Procedure in Social Sciences', Asia Publishing House
4. Kothari S. R (2012) 'Research Methodology, Methods and Techniques', Pragnun Publications.
5. Khandhare V.B., Yadav Y.,2016, Chinmay Publication ,Aurangabad.
6. Krishnaswamy, O.R. (1993) 'Methodology of Research In Social Sciences, HPH
7. Kurein C. T. (1973) A Guide to Research in Economics' Sangam Publishers for Madras Institute of Development Studies
8. Les Oakshott (2012) 'Essential Quantitative Methods for Business, Management and Finance', Palgrave Macmilan, 5th edition
9. Moser C.A., G. Kalton (1985) 'Survey Methods in Social Investigations' Routedledge
10. BAV Sharma D Ravindra Prasad and P. Satyanarayana (1983) Research Methods in Social Sciences' Sterling publishers, New Delhi
11. Sadhu AN, Amarjit Singh (2007) 'Research Methodology in Social Sciences' HPH
12. Thakur Devendra (2009) 'Research Methodology in Social Sciences' Deep and Deep Publications
13. Young P.V. (1984) 'Scientific Social Survey and Research', Prentice Hall -India

Recommended Journals:

Journal of Mixed Methods Research- Sage

Journal of Applied Social Sciences- Sage

Research in Economics- Elsevier

Social Science Research- Elsevier

The Social Science Journal – Elsevier/ ScienceDirect

M.A. ECONOMICS PART- II

SEMESTER III

ELECTIVE PAPERS

EC-3004

(Choose Any ONE Paper)

- 01- ECONOMICS OF FINANCE**
- 02- DEMOGRAPHY**
- 03- CAPITAL MARKETS**
- 04- INDUSTRIAL ECONOMICS**

ELECTIVE COURSE
SEMESTER III
EC-3004
ECONOMICS OF FINANCE
(This course will have *FOUR* credits)

PREAMBLE

The positive and significant role of financial institutions in the process of growth and development has been very well recognized in the literature and indeed has become more important during the last two decades as the financial systems of different countries have become integrated in the process of globalization. It is, therefore, essential that the student of economics should be well conversant with the theory and practice of different financial institutions and markets; to understand and analyze the interconnection between the monetary forces and real forces, their developmental role and limitations in shaping and influencing the monetary and related policies both at the national and international levels.

Course Objectives:

- To provide an understanding of Finance and its application under various topics under economics.
- To demonstrate the practical and the applied aspects of Finance in relation to Economics.

Programme Outcome:

- Ability to develop, demonstrate and examine various topics under Finance with the help of Economics.
- Ability to evaluate and examine subject areas in economics bringing out the relation to finance.

1. Introduction	10
1.1 Role of Finance in economic development.	
1.2 Structure and functioning of the Financial system – Financial Intermediaries, Financial Markets and Financial Instruments	
1.3 Markets and Aspects of Risk Sharing, The Problem of Agency	
2. Basic Financial Calculations	10
2.1 Types of Financial securities- Fixed Income Securities, Bonds, Index-linked securities	
2.2 The time value of money, Future Value of Asset, Present Value of Asset; Future and present values of multiple cash flows.	
2.3 Relation Between Inflation and Interest Rates, Real and Nominal Cash Flows, Valuing Real Cash Payments, Effective Annual Interest Rates	
2.4 Bond valuation- Characteristics of Bonds.	
3. Portfolio Theory	10
3.1 Asset Return- random variables and random returns	
3.2 Capital Asset Pricing, Validity of CAPM (Capital Asset Pricing Model), the CAPM, Risk and Return	
3.3 Arbitrage Pricing Theory	
3.4 Measuring portfolio return and risks, effect of Diversification, Minimum Variance Portfolio, Perfectly Correlated Assets, Minimum Variance Opportunity Set, Optimal Portfolio Choice; Mean Variance Frontier Of Risky and Risk-Free Asset, Portfolio Weights	

- 4. Efficient Market Hypothesis** 10
- 4.1 Efficient Market Hypothesis
 - 4.2 Valuing Stocks, Book Values, Liquidation Values and Market Values, Valuing Common Stocks, The Price-Earnings Ratio
 - 4.3 The Dividend Discount Model -The Dividend Discount Model with No Growth, The Constant-Growth Dividend Discount Model

- 5. Risk, Return, and Capital Budgeting** 08
- 5.1 Measuring Market Risk, Using the CAPM to Estimate Expected Returns, Capital Budgeting and Project Risk, Determinants of Project Risk
 - 5.2 Introduction to risk, return and opportunity cost of capital, Estimating Expected Rates of Return,
 - 5.3 Measuring Risk Variance and Standard Deviation Measuring the Variation in Stock Returns Risk and Diversification Asset versus Portfolio Risk

BASIC READING LIST

1. Bhole L.M. (2004) 'Financial Institutions and Markets', Tata McGraw Hill
2. Chandra P. (2017), 'Investment Analysis and Portfolio Management', McGraw Hill Education, Fifth Edition
3. Frederic Mishkin (2019) 'The Economics of Money, Banking and Financial Markets' Pearson Education India, 11th edition
4. Frederic Mishkin and Stanley Eakins (2006) "Financial Markets and Institutions", Pearson 5th Ed
5. Fabozzi Frank J. (2016) Bond Market Analysis and Strategies' Pearson, 8th edition
6. Hull John C (2018) "Fundamentals of Futures and Options Market", Pearson Education, 9th Edition
7. Hull John C, Sankarshan Basu (2018) "Options, Futures and Other Derivatives", Pearson Education, 10th Edition
8. Richard A Brealey, Stewart C Myers, and Alan J. Marcus (2003) 'Fundamentals of Corporate Finance', Third Edition; McGraw-Hill, Inc

Recommended Books

1. Ajay Shah Susan Thomas Michael Gorham (2008) "Indian Financial Markets: AN Insider's Guide to How the Market Works" Elsevier Science
2. Baye Micheal R, Dennis W Jansen (1996) " Money, Banking & Financial Markets An Economic Approach", A.I.T.B.S. Publishers & Distributors. Delhi
3. Chandra P. (1997), "Financial Markets", Tata McGraw Hill, 4th Edition
4. David G. Lueberger (2012) "Investment Science", OUP, 1st edition
5. Elton Edwin J, Martin J Gruber, Stephen J Brown & William Goetzmann (2002) "Modern Portfolio Theory and Investment Analysis" John Wiley & Sons
6. Fama E.F. (1997) "Foundations of Finance", Basil Blackwell, Oxford, Ch.5
7. Hauthkhar H.S., Williamson P.J., (1996) "The Economics of Financial Market", OUP
8. Hearth Douglas & Zaima J K (1998) "Contemporary Investment: Security and Portfolio Analysis" The Dryden Press
9. Hull John C (2018) "Risk Management and Financial Institutions", John Wiley & Co
10. LeRoy Stephen F, Jan Werner (2014) "Principles of Financial Economics" Cambridge University Press
11. Ross Stephen and Rudolph W.W., (1998) "Fundamentals of Corporate Finance", McGraw Hill

12. Smith, P.F., (1978), “Money and Financial Intermediation: The Theory and Structures of Financial System”, Prentice Hall
13. Susan Thomas, (ed) (2003) “Derivatives Market in India”, Invest India
14. Wavre A. & Dhonde S , Finance of Village Panchayat , Shubhan publication , Kanpur. UP, India
15. Zvi Bodie, Robert C. Merton, Devid L. Cleeton (2008) “ Financial Economics” Pearson

Recommended Journals:

Journal of Finance- Wiley Online

Journal of Applied Statistics- Francis & Taylor

Journal of Banking and Finance – Elsevier

Global Finance Journal – Elsevier

ELECTIVE COURSE
SEMESTER III
EC-3004
DEMOGRAPHY
(This course will have *FOUR* credits)

PREAMBLE

The main objective of this paper is to make the students aware of the importance of population in economic development and the various theories that explain the growth of population in a country. The paper also enlightens the students on the quantitative and the qualitative aspects and characteristics of the population through various demographic techniques. In recent times, the gender aspect of the population has acquired importance and these have also been included in the framework of study. Fertility and Aging are also vital characteristics of the undergoing structural change. Their study is essential to understand the dynamics of this change. The paper exposes the students to sources of population and related characteristics and also to the rationale, need and evolution of population policy.

Course Objectives:

- To provide an understanding of Demography and its application under various topics under economics.
- To demonstrate the practical and the applied aspects of Demography and the study of Population and its relation to Economics.

Programme Outcome:

- Ability to develop, demonstrate and examine various topics under Demography.
- Ability to evaluate and examine subject areas in economics bringing out the relation to population studies and demography.

1. Demography	10
1.1 Demography: Evolution, Nature and Scope	
1.2 Development of Population Studies - relationship with other disciplines	
1.3 History of Population Growth – Primitive, Pre-Industrial, Developed and Developing	
1.4 Population Growth- Components, Interdependence, World Population Growth and Distribution, Growth in Developed and Developing Countries	
1.5 Measures of Population Growth- Sources of Demographic Data	
2. Population theories	14
2.1 The Malthusian theory	
2.2 Post-Malthusian Theories	
2.3 The Optimum Population Theory	
2.4 The Theory of Demographic Transition	
2.5 Population and Development (Meadows, Enke and Simon)	
3. Population structure and characteristics	10
3.1 Structure of Population, Growth Rate and	
3.2 Mortality- Meaning, Measurement of Mortality, Measures - causes of death.	
3.3 Fertility- Meaning, Measurement of Fertility, Extent and Trends of Fertility, Factors affecting Fertility, Fertility Differentials in India	
3.4 Pattern of Age and Sex Structure- Determinants, Impact and Implications; Age and Population	

4. Population and Development 14

- 4.1 Relation between Population and Development; Effects of Development on Population Growth and vice versa
- 4.2 Population and Natural Resources- Demographic and Socio-economic factors influencing Saving, Investment, Capital Formation and Technology
- 4.3 Population and Labour force- Population and Employment, Economically Active Population, Work Participation
- 4.4 Women and Development- Indicators of Status of Women, Inter-relation between Status of Women and Demographic Change
- 4.5 Population Policy in India- Shift from Population Control from Welfare and Empowerment; Strategies for Population Control and Human Development, Challenges to National Population Commission

Basic Reading List

1. Bogue, D.J. (1971), Principles of Demography, John Wiley, New York
2. Bhende, Asha A., Tara Kanitkar (2013) *Principles of Population Studies*, Himalaya Publishing House, Mumbai
3. Mujumdar P. K (2013) "Indian's Demography: Changing Demographic Scenario in India", Rawat Publications
4. Sinha V.C., Easo Zacharia (1986) 'Principles of Demography' Allied Publishers, 2nd Edition
5. Srinivasan Krishnamurthy (2017) "Population Concerns in India: Shifting Trends, Policies and Programs" Sage Publications
6. Srinivasan, K. and A. Shariff (1998), India: Towards Population and Demographic Goals, Oxford University Press, New Delhi

Reports

1. Census of India, Census Commissioner and Registrar General of India, Government of India, New Delhi, Latest Census
2. Family Welfare Programme in India, Year Book 2012, Government of India
3. National Family Health Survey, Government of India & IIPS, Mumbai, Recent Reports
4. National Population Policy 2000, Government of India
5. United Nations (1973) "Determinants and Consequences of Population Trends"

Recommended Books

1. Agarwala S.N. (1972), "India's Population Problem", Tata McGraw-Hill Co
2. Bose, A. (1996), "India's Basic Demographic Statistics", B.R. Publishing, New Delhi
3. Chakraborti Rajagopal D (2004) "The Greying of India: Population Ageing in the Context of Asia" Sage Publications
4. Chenery H., T.N. Srinivasan (Eds.) (1989), "HandBook of Development" Economics, Vol.1 & 2 Elsevier, Amsterdam
5. Choubey, P.K. (2000), "Population Policy in India", Kanishka Publications, New Delhi
6. Dasgupta Sukti, Sher Singh Verick (2016) "Transformation of Women at Work in Asia: An Unfinished Development Agenda" Sage Publications
7. Easterlin Richard A (1987) "Population and Economic change in Developing Countries", National Bureau of Economic Research, University of Chicago Press
8. G Giridar (Ed) (2014) "Population Aging In India" Cambridge University Press
9. Gulati, S.C. (1988), "Fertility in India: An Econometric Study of a Metropolis", Sage, New Delhi. Economics
10. Seth Mira (2001) "Women and Development: The Indian Experience", Sage

11. Simon, J.L. (1992), "Population and Development in Poor Countries", Princeton University Press.
12. Srinivasan, K. (1998), "Basic Demographic Techniques and Applications", Sage, New Delhi
13. Kute S & Rithe M, Demography, (2017), Prashant Publication, Jalgaon MS, India.

Recommended Journals:

Antyajaa – Indian Journal of Women and Social Change - Sage
Demography – Springer
Economic and Political Weekly
Journal of Population Research - Springer
Journal of Demographic Economics - Cambridge
Management and Labour Studies- Sage
Population and Development Review – Wiley Online
Population Studies – Taylor and Francis Online

ELECTIVE COURSE
SEMESTER III
EC-3004
CAPITAL MARKETS
(This course will have *FOUR* credits)

PREAMBLE

Finance Systems and Markets are specialized areas in Economics and Finance. Financial Markets discuss market structures, financial institutions, financial markets, financial instruments and services. The subject discusses the capital markets in the Indian as well as the international context with reference to the changing structure, role of regulatory bodies, self-regulation, development of various new instruments and institutions.

Course Objectives:

- To develop an understanding of the financial system in the theoretical context.
- To interpret the developments in the capital markets w.r.t. institutions and instruments and compare and contrast with International Capital Markets

Programme Outcome:

- Ability to interpret and analyze the scenario in Indian and Global markets.
- Ability to discuss and debate on the changing scenario in global market.

1 Introduction

12

1.1 Structure of Capital Market-

- 1.1.1 Government Securities Market and Industrial Securities Market;
- 1.1.2 Primary and Secondary Markets,
- 1.1.3 Equity, Debt & Derivatives Market

1.2 Developed and Underdeveloped Capital Markets

1.3 Regulation of Capital Markets-Securities & Exchange Board of India (SEBI)-Objective & Role

2 Constituents & Instruments of Capital Market

12

2.1 Government

2.2 Stock Exchanges- Meaning & Types

2.3 Financial Institutions

2.4 Commercial banks

2.5 Credit Rating Agencies- Purpose & Role

2.6 Other Institutions – Mutual Funds, Merchant Bankers, Underwriters, etc.

2.7 Portfolio Investors (Foreign Institutional Investors)

2.8 Instruments in the Capital Market- Equity, Debt & Derivatives- Types; Hybrid Instruments

3 Stock Exchanges

12

3.1 Stock Exchanges- Meaning and Types

3.2 Stock Exchanges-Operations and Trading, Settlement

3.3 Stock Market Indices- Meaning & Calculation of Stock Indices (BSE/NSE)

3.4 Demutualization of Stock Exchanges

3.4 Dematerialization of Stocks/Shares

4 Indian Capital Market Changing Scenario

12

- 4.1 Changes in the Indian Capital Market Pre and Post Liberalization
- 4.2 Emergence of Financial Services- Venture Capital, Lease Finance, Angel Finance, Crowd Funding, Pension Funds
- 4.3 Globalization of Capital Markets – Instruments, Intermediaries and Risk Management
- 4.4 Risk Management and Financial Crisis in Emerging Market Economies

Basic Reading:

1. Brandl Micheal (2019) ‘Money, Banking, Financial Markets and Institutions’ Cengage Learning
2. Bhole, L. M., Jitendra Mahakud (2017) ‘Financial Institutions and Markets’ Tata McGraw Hill, ND
3. Fabozzi Frank J., Steven V. Mann, Moorad Choudhry (2002) ‘The Global Money Markets’ John Wiley & Sons
4. Frederic Mishkin and Stanley Eakins (2006) ‘Financial Markets and Institutions’, Pearson 5th Edition
5. Madura Jeff (2014) ‘Financial Institutions and Markets’ Cengage
6. Saunders Anthony and Cornett Marica Millon (2017) “Financial Markets and Institutions - An Introduction to the Risk Management Approach” McGraw Hill Education 3rd Edition

Recommended Readings:

1. Bhole, L. M. (2000) ‘Indian Financial System’ Chugh Publications, Allahabad
2. Batra G.S. “Financial Services and Markets”, New Delhi: Deep and Deep Publications Pvt. Ltd., Latest Ed.
3. Das S. C. (2015) ‘The Indian Financial System: Markets, Instruments, Institutions, Services and Regulations’ PHI Learning
4. Kothari Rajesh. “Financial Services in India Concept and Application”, New Delhi, Sage Publications. 2010.
5. Gurusamy S (2004) “Financial Services and Markets”, Vijay Nicole Imprints
6. Meir Kohn (2013) ‘Financial Institutions & Markets; OUP
7. Machiraju H.R. (2006) ‘Indian Financial System, Vikas Publications, New Delhi
8. Pathak, Bharati (2009) ‘The Indian Financial System, Pearson Education

Recommended Journals:

Indian Journal of Research in Capital Markets-
Journal of Capital Markets- Elsevier
Journal of Capital Market Studies- Emerald Insights

ELECTIVE COURSE
SEMESTER III
EC-3004
INDUSTRIAL ECONOMICS
(This course will have *FOUR* credits)

PREAMBLE

The main objective of this paper is to make the students aware of the importance of industrial sector in economic development. The paper explores the emergence of Industrial economics as a separate area of study; the theories of location are discussed and debated in the present context and analyzed with reference to the development of the industrial sector. The study is essential to understand the dynamics of the changes in the Industrial sector in India as well as around the world. The paper exposes the students to the current challenges to the industrial sector – growth, productivity, changing policy and performance.

Course Objectives:

- To provide an understanding of Industry, Industrial sector and growth and its relation to various economic issues and challenges.
- To demonstrate the practical and the applied aspects of Industrial economics and the study of Industry and its relation to Economics.

Programme Outcome:

- Ability to develop, demonstrate and examine various topics under Industrial Economics.
- Ability to evaluate and examine subject areas in economics bringing out the relation to industry and industrial development.

1 Introduction

10

- 1.1 Industrial Economics – Emergence, Meaning and Definition
- 1.2 Scope and Importance of Industrial Economics
- 1.3 Classification of Industries
- 1.4 New Empirical Industrial Organization Approach

2 Theories of Industrial Location

14

- 2.1 General Determinants of Industrial Location
- 2.2 Theories of Industrial Location
 - 2.2.1 Alfred Weber's Theory of Industrial Location
 - 2.2.2 Sergeant Florence's Theory of Industrial Location
- 2.3 Policy of Industrial Location in India
- 2.4 Need for Balanced Regional Development

3 Industrial Productivity and Growth

10

- 3.1 Industrial Productivity - Norms and Measurement
- 3.2 Factors affecting Productivity and measures to improve Productivity,
- 3.3 Public Enterprises- Efficiency, Productivity and Performance
(Case for/against India)
- 3.4 Skill Development and Industrial Productivity
- 3.5 Industrial Growth in India: Cause for Concern, Challenges to Private Sector
- 3.6 Policy Measures to enhance Industrial Growth

4 Industrial Policies in India

14

- 4.1 Industrial Policy in India – Progress since 1991
- 4.2 Developments in Industrial Policy – Special Economic Zones, ‘Make in India’, Public Private Partnership
- 4.3 Changing Role and Performance of Public and Private Sector in India
- 4.4 Developments in Policy for MSMEs since 1991
- 4.5 Development in FDI Policy, Emergence of Indian Multinational Companies
- 4.6 Globalization of Labour Markets and Impact of Emerging Economies

Basic Reading List:

1. Barthwal R.R. (2019), ‘Industrial Economics,’ New Age Publications
2. Das Keshab (2011) ‘Micro and Small Enterprises in India: The Era of Reforms’ Routledge India
3. Flanagan Robert J. (2006) ‘Globalization and Labor Conditions: Working Conditions and Worker Rights in a Global Economy, OUP
4. Hajela, P.D. (1998), Labour Restructuring in India: A Critique of the New Economic Policies, Commonwealth Publishers, New Delhi
5. Jaya Prakash Pradhan (2008) ‘Indian Multinational in the World Economy: Implications for Development’, Bookwell Publications
6. Khanna Tarun (2008) ‘Billions of Entrepreneurs: How India and China are Reshaping their Future and Yours’ Penguin India
7. Gupta Parul (2019) ‘Industrial Relations and Labour Laws for Managers’ Sage Pub.
8. Sharma RC (2016) ‘Industrial Relations and Labour Laws’ PHI Learning
9. Sinha P.R.N., Indu Bala Sinha (2017) Industrial Relation Trade Unions and Labour Legislation Pearson Publication. New Delhi
10. Saumitra Mohan (2018) “Indian Policy and Development: A Manual for National Schemes and International Policies” McGraw Hill Education

Recommended Readings:

1. Agarwal Aradhana (2012) ‘Social and Economic Impact of SEZs in India’ Oxford University Press
2. Amit Kumar (2013) ‘SMEs in India in post-1990s Era: Challenges and Opportunities, LAP Lambert Academic Publishing
3. Barthwal R.R. (1985), ‘Industrial Economics,’ Wiley Eastern Ltd., New Delhi.
4. Desai, B. [1999], ‘Industrial Economics in India,’ HPH
5. Divine, P.J. and R.M. Jones et.al. (1976), ‘An Introduction to Industrial Economics,’ George, Allen and Unwin Ltd., London.
6. Kumar V Pratap, rajesh Chakrabarti (2018) Public-Private Partnerships in Infrastructure: Managing the Challenges (India Studies in Business and Economics) Springer
7. Kuchhal, S.C. (1980), Industrial Economy of India, Chaitanya Publishing House, Allahabad.
8. Singh, A. A.N. Sandhu. [1988], ‘Industrial Economics,’ HPH
9. Vepa R. K, (1988) Modern Small Industry in India, Sage Publication
10. Venkataratnam, C.S. (2001), Globalization and Labour- Management Relations: Dynamics of Changes, Sage Publications/Response Books, New Delhi.

Recommended Journals:

Applied Economics- taylor & Francis Online
International Journal of Economics and Business research- Inderscience
International Journal of Industrial Organization- Elsevier
The Journal of Industrial Economics- Wiley
The Journal of Industrial Economics- Scimago

M.A. ECONOMICS PART- II

SEMESTER IV

CORE PAPERS(COMPULSORY PAPER)

EC- 4001 - MACRO ECONOMIC ANALYSIS II

EC- 4002 - GROWTH & DEVELOPMENT II

EC- 4003 - RESEARCH PROJECT

(ONLY RGULAR STUDENTS)

EC- 4003 - RESEARCH METHODOLOGY

(ONLY EXTERNAL STUDENTS)

CORE COURSE
SEMESTER IV
EC- 4001
MACRO ECONOMIC ANALYSIS II
(This course will have *FOUR* credits)

PREAMBLE

Macroeconomics or aggregative economics analysis establishes the functional relationship between various aggregates of the economy. Aggregative analysis assumed such a great significance in recent times that a prior understanding of macroeconomic theoretical structure is considered essential for proper comprehension of different issues and policies. Macroeconomics now is not only a scientific method of analysis but also a body of empirical economic knowledge. The course equips the students at the postgraduate level to understand systematic facts and theoretical developments for empirical analysis,

Course Objectives:

- To provide a thorough understanding of the principles of macroeconomics and the application of macroeconomic concepts in various contexts.
- To discuss the modern developments in macroeconomics.

Programme Outcome:

- Ability to analyze and demonstrate knowledge of the basic theories/laws in economics- general equilibrium psychological law of consumption, etc.
- At the end of the course, the student should be able to evaluate macroeconomic concepts, models and its use in real life situations.

1. Aggregate Demand and Aggregate Supply Analysis 12

- 1.1 Aggregate Demand Curve (with price flexibility)-Derivation of aggregate demand curve-shift in aggregate demand curve and multiplier effect
- 1.2 Aggregate Supply curve (with variable prices)-shift in aggregate supply curve-long-run aggregate supply curve –Derivation of Aggregate supply curve-
- 1.3 Macroeconomic equilibrium: AS-AD Model-Friedman’s Natural Rate Hypothesis-Economic Fluctuations
- 1.4 Three Models of the Upward Sloping SRAS (short-run aggregate supply curve) –The Sticky Wage Theory, The Sticky Price Theory and The Misperceptions (Fooling) Theory

2. The IS-LM Curves Model 12

- 2.1 Introduction-The Structure of the Model
- 2.2 Derivation of IS Curve and LM Curve –Shifts in IS Curve and LM curve, causes in shifts in IS and LM Curve.
- 2.3 Simultaneous Equilibrium in Goods Market and Money Market-Extension IS-LM model with government sector Fiscal policies.
- 2.4 Extension of IS-LM model with Labor Market and flexible prices.

3. Inflation-Unemployment Trade-Off: Phillips Curve and Rational Expectations Theory 12

- 3.1 Inflation and Unemployment-Phillips curve-Explanation of Phillips curve.
- 3.2 Causes of shifts in Phillips Curve- Long-run Phillips curve and adaptive expectations – Long-run Phillips curve: Rational expectations.
- 3.3 Relation between short-run Phillips curve and long-run Phillips curve.

- 3.4 Stagflation and Supply-side Economics-stagflation in India-1991-04, causes of stagflation
- 3.5 Supply-side economics-basic propositions of supply-side economics-Taxation and labour supply, Incentive to save and investment, the tax wedge-tax revenue and Laffer curve, a critical appraisal of supply side economics.

4. The New Classical Macro Economics & the Open Economy Issues 12

- 4.1 Introduction -Meaning of Rational Expectations- Barrow's view
- 4.2 The New Classical Model
- 4.3 The Role of the Monetary and Fiscal policy
- 4.4 Rational Expectations and the Real Business Cycles
- 4.5 Criticism of the Rational Expectations Hypothesis.
- 4.6 Open Economy-Balance of Trade-Balance of Payments-Mundel-Fleming Model, Exchange Rate Regimes.

BASIC READING LIST:

15. August Swanenberg (2005) 'Macroeconomics Demystified' A Self Teaching Guide, McGraw Hill Education
16. Ackley, G. (1978), Macro Economics: Theory and Policy, Macmillan, New York.
17. Agrawal Vanita, (2010) Macroeconomics: Theory and Policy, Pearson Publication, New Delhi.
18. Ahuja H.L., Macroeconomics: Theory and Practice, S.Chand & Co. New Delhi.
19. Blackhouse, R. and A. Salansi (Eds.) (2000) Macroeconomics and the Real World (2 Vols.), Oxford University Press, London. Dornbusch,
20. Campbell R. McConnell, Stanley L. Brue, (2001) Macroeconomics: Principles, Problems and Policies', McGraw Hill, Inc., New York.
21. Froyen Richard T (2006) 'Macroeconomics– Theories and Policies' Pearson Education; 8th edition
22. Gupta S.B. (1997) 'Monetary planning for India' OUP
23. Jha, R. (1991), Contemporary Macroeconomic Theory and Policy, Wiley Eastern Ltd., New Delhi.
24. Mankiw Gregory (2007) 'Macroeconomics' Worth, New York
25. Rao, V.K.R.V. (1983) India's National Income : 1950 to 1980, Sage Publications, New Delhi
26. Gupta, S.B. (1995), Monetary Planning in India, OUP, New Delhi.
27. Sampat Mukherjee (2013), 'A Global Text-Macroeconomics', New Central Book Agency
28. Soumyen Sikdar (2006) 'Principles of Macroeconomics' Oxford University Press
- 29 Bhise V.B , Khandare V.B & Babar , (2014) Macro Economics , Chinmay Publication Aurangabad.

Recommended Readings:

16. Branson, W.A. (1989), Macroeconomic Theory and Policy, (3rd Edition), Harper and Row, New York.
17. Culbertson, J.M. (1968), Macroeconomic Theory and Stabilization Policy, McGraw Hill, Kogonkosh, Tokyo.
18. Duesenberry, J.S. (1949), Income Saving and the Theory of Consumer Behaviour. Harvard University Press, Harvard.
19. Edey, M. and A.T. Peacock (1967), National Income and Social Accounts, Hutchinson University Library, London
20. Fisher, Dornbusch, Schamalensee (1988) 'Economics' McGraw Hill International Edition ; 2nd edition

21. Friedman, M. (1957), The Theory of Consumption Function, Princeton University Press Princeton.
22. Friedman, M. (1956), Studies in the Quantity Theory of Money, The University of Chicago Press, Chicago
23. Glahe, Fred, R. (1973), Macroeconomics: Theory and Policy, Harcourt Brace Javanovich, Inc., New York.
24. Harris Lawrence (1980) 'Monetary Theory' McGraw Hill Inc.
25. Keynes, J.M. (1936), 'The General Theory of Employment Interest and Money', Macmillan, London.
26. Ruggles, R. and N. Ruggles (1956), National Income Accounts and Income Analysis, McGraw Hill New York.
27. Shapiro, E. (1996) Macroeconomic Analysis, Galgotia Publications, New Delhi.
28. D.Wrightsmen 'An Introduction to Monetary Theory and Policy' The Free Press New York 1983

Recommended Journals:

Applied Economics- Taylor & Francis Online

Journal of Macroeconomics-Elsevier

Macroeconomics and Finance in Emerging Market Economies- Taylor & Francis Online

The Indian Economic Journal- Sage Journal

CORE COURSE
SEMESTER IV
EC- 4002
GROWTH & DEVELOPMENT II
(This course will have *FOUR* credits)

PREAMBLE

The course makes an attempt to provide an introduction to the economics of Growth and Development and at the same time provide an understanding of the analytical rigour of the subject. Growth and Development-I is a core course that covers meaning and concept of Economic Growth and Development, measuring the economic growth and development, theories of economic growth and development, poverty, inequality and unemployment and role human capital in economic development . Growth and development-I will try to clear the concepts regarding the economic growth and development and provides basic knowledge to the students to get engaged in the activities.

Course Objectives:

- To enable learning and understanding of the basic concepts and process to measure the growth and economic development etc.
- To analyze and evaluate the obstacles in the process of economic growth and development

Programme Outcome:

- Ability to analyze and demonstrate knowledge of the economic growth and development theories of economic growth and development
- Ability analyze, evaluate and apply the growth and development concepts, role of human capital, etc. in real life situations

- 1. Sectoral Development: An Overview** **12**
- 1.1 International agreements and Agriculture in India
- 1.2 Agriculture Productivity, Agriculture Price Policy, Land Holding and Cropping Pattern
- 1.3 Industrial Production Trends at National and International Level, Role Of MSMEs, Government Policies for Industrial Development
- 1.4 Growth of Services Sector in India, ICT and Services sector, International Comparison.
- 2. Technology and Development** **12**
- 2.1 Role of Technology and Development
- 2.2 Capital Formation and Technical Progress as Sources of Growth
- 2.3 Technological Strategy of Development
- 2.5 Economics of R&D, Invention and Innovation, Relation to Development
- 2.6 Technology Centered Development
- 3. Environment and Development** **12**
- 3.1 Sustainable Development, Sustainability Performance and Reporting
- 3.3 Environment and Rural-Urban Development
- 3.4 Industrialization and Environment Protection
- 3.5 Climate change and Agriculture

4. Development Strategies

12

- 4.1 The Role of the Government in the Developmental process
- 4.2 The Market versus Detailed Centralized Planning
- 4.3 Approaches to Poverty Alleviation and Employment Generation
- 4.4 Policy of Export Promotion & Import Substitution
- 4.5 Policy of Infrastructure Development

Basic Reading List:

1. Basu Kaushik (1998) *Analytic Development Economics: The Less Developed Economy Revisited*, OUP
2. Behrman, S. and T.N. Srinivasan (1995), *Handbook of Development Economics*, Vol. 3, Elsevier, Amsterdam.
3. Felix Raj, Sampat Mukherjee, Mallinath Mukherjee, Amitava Ghose, Ranjanendra N. Nag (2007) *“Contemporary Development Economics From Adam Smith to Amartya Sen”*, New Central Book Agency Private Limited
4. Gillis, M., D.H. Perkins, M. Romer and D.R. Snodgrass (1992), *Economics of Development*, (3rd Edition), W.W. Norton, New York.
5. Kindleberger, C.P. (1977), *Economic Development*, (3rd Edition), McGraw Hill, New York. Economics
6. Meier Gerald M. and James E. Rauch, *“Leading Issues in Economic Development”* Oxford University Press, 2006
7. Ray Debraj (1998) *“Development Economics”*, Oxford University Press
8. Solow Robert M. (2000) *“Growth Theory An Exposition”* Oxford University Press
9. Thirwall, A.P. (1999), (6th Edition), *Growth and Development*, Macmillan, U.K.
10. Todaro, M.P. (1996), (6th Edition), *Economic Development*, Longman, London.

Recommended Readings:

1. Barro Robert J. and Xavier Sala-i-Martin (2004) *“Economic Growth”* Prentice Hall of India Brown, M. (1966), *On the Theory and Measurement of Technical Change*, Cambridge University Press, Cambridge, Mass.
2. Dasgupta, P. (1993), *‘An Enquiry into Well-being and Destitution’*, Clarendon Press, Oxford.
3. Gillis, M., D.H. Perkins, M. Romer and D.R. Snodgrass (1992), *Economics of Development*, (3rd Edition), W.W. Norton, New York.
4. Meier, G.M. (1995), *Leading Issues in Economic Development*, (6th Edition), OUP
5. Nayyar Deepak (2019) *‘Resurgent Asia’* OUP
6. Todaro Michael P. (1981) *“Economics for A Developing World”*, Longman, London.

Recommended Journals:

Economic Development and Cultural Change- Chicago Press
Journal of Development Economics-Elsevier
IMF Economic Review- Palgrave Macmillan
Oxford development Studies- Rutledge
Review of Development Economics-Wiley
Review of World Economics-Springer
Review of Economic Dynamics- Elsevier

CORE COURSE
SEMESTER IV
EC-4003
RESEARCH PROJECT
(This course will have *FOUR* credits)
(Only for Internal Students)

PREAMBLE:

Students who complete their post-graduation in Economics are mentally equipped to pursue research in the same discipline. It is generally accepted that research is nothing but extension and application of knowledge in a certain specialized field. Therefore regular students who do their post-graduation, as internal students will be given an opportunity to get exposed to a few elements of social research and also they are expected to complete a small research project under the expert guidance and supervision, Elementary knowledge of research methodology shall consolidate and deepen their understanding of various branches of Economics. Preparing a small dissertation is intended to train them in scientific thinking and art of systematic presentation. It is essentially a job-oriented exercise to enable them to take up the exciting field of social and economic research.

Part I: Internal IV Semester students shall submit a dissertation of minimum 8000 words & maximum 10,000 words in three copies to the Head of the Department on or before 30th April. The dissertation shall be prepared under the guidance of an internal postgraduate recognized teacher.

Part II: An internal supervisor shall assess each dissertation for out of 50 marks, based on the methodology, analysis, contents and quality of the dissertation.

Part III: A viva voce examination of each candidate shall be held where he/she will have to make a presentation of the dissertation and defend the research. A panel of two referees shall be formed out of whom one shall be an internal examiner.

The viva voce shall carry 50 marks. Internal & external examiners shall give out of 25 marks each. The copies of dissertation and the record of the viva voce examination shall be maintained by the centre for two more academic years for inspection. The Marks obtained for project work shall be included in the statement of marks of all the regular internal students.

Scale of Remuneration will be as per the University Guidelines.

External examiner will be appointed by the University.

CORE COURSE
SEMESTER IV
EC-4003
RESEARCH METHODOLOGY
(ONLY EXTERNAL STUDENTS)
(This course will have *FOUR* credits)

PREAMBLE

The main objective of this paper is to make the students aware of the importance of Research Methodology. Today research is of importance in every field of life. Hence students need sound initiation in the world of research. Thus this syllabus is prepared to equip students with basics of research methodology and also provide them acquaintance with the main ingredients of major sources secondary data on Economics, some hands-on experience in conduct so survey including designing questionnaire and interview schedules, collection of data, analysis of data and preparation of report.

Course Objectives:

- To enable an understanding of Research and its methods under various areas of economics.
- To demonstrate the practical and the applied aspects of research in relation to Economics.

Programme Outcome:

- Ability to develop, demonstrate and examine topics under Economics to pursue research.
- Ability to evaluate and examine subject areas in economics and explore possibilities of research.

1 Data Collection **12**

- 1.1 Sources of Data- Primary, Secondary.
- 1.2 Surveys and Interviews Methods
- 1.3 Observation Method
- 1.4 Secondary Sources of Data

2 Sampling And Data Analysis **12**

- 2.1 Basic Concepts: Population, Sample, Sample Size
- 2.2 Sampling Methods: Probability and Non-probability Sampling Methods
- 2.3 Analysis of Data: Classification, Tabulation, Graph, Diagram and
- 2.4 Overview of Statistics in Data Analysis

3 Testing Hypothesis **12**

- 3.1 Hypothesis: Meaning, Types, Formulation, Criteria for a Good Hypothesis
- 3.2 Basic Concepts: Level of Significance, Critical error, Type I and Type II Error
- 3.3 Procedure of Testing Hypothesis
- 3.4 Parametric and Non Parametric Tests

4 Report Writing **12**

- 4.1 Goals of Report Writing
- 4.2 Report writing for Quantitative Research and Qualitative Research
- 4.3 Layout of Research Project
- 4.4 Report Writing: Considerations and Precautions
- 4.5 Computer Use in Research -Internet Source of Data Collection- Use and Precautions

Basic Reading List:

1. Banamati Mohanty (2015) 'Statistics for Behavioral and Social Sciences' Sage Texts
2. Bryman Alan (2018) 'Social research methods' OUP
3. Cooper Donald R. & Pamela S. Schindler (1999), "Business Research Methods", Tata McGraw-Hill Edition, New Delhi
4. Flick Uwe (2011) 'Introducing Research Methodology' Sage Publications
5. Kothari C. R, Gaurau Garg (2019) 'Research Methodology, Methods and Techniques', New Age International Publications, 4th Edition
6. Kumar Ranjit, (2012), "Research Methodology" 2nd Ed, Pearson Education
7. Wilkinson and Bhandarkar (2016) 'Methodology and Techniques of Social Science Research; HPH
8. Willson Jonathan (2017) 'Essentials of Business Research: A Guide to Doing Your Research Project' Sage Publications

Recommended Readings:

1. Basotia G.R. Sharma K.K. (1999) 'Research Methodology' Mangal Deeop Publications
2. Don E. Ehridge (2004) 'Research Methodology in Applied Economics: Organizing Planning and Conducting Economics Research', John Wiley and Sons
3. Gopal M.H. (1971) 'An Introduction to Research Procedure in Social Sciences', Asia Publishing House
4. Kothari S. R (2012) 'Research Methodology, Methods and Techniques', Pragnan Publications
5. Krishnaswamy, O.R. (1993) 'Methodology of Research In Social Sciences, HPH
6. Kurein C. T. (1973) A Guide to Research in Economics' Sangam Publishers for Madras Institute of Development Studies
7. Les Oakshott (2012) 'Essential Quantitative Methods for Business, Management and Finance', Palgrave Macmillan, 5th edition
8. Moser C.A., G. Kalton (1985) 'Survey Methods in Social Investigations' Routedledge
9. BAV Sharma D Ravindra Prasad and P. Satyanarayana (1983) Research Methods in Social Sciences' Sterling publishers, New Delhi
10. Sadhu AN, Amarjit Singh (2007) 'Research Methodology in Social Sciences' HPH
11. Thakur Devendra (2009) 'Research Methodology in Social Sciences' Deep and Deep Publications
12. Young P.V. (1984) 'Scientific Social Survey and Research', Prentice Hall -India
13. Khandhare V.B., Yadav Y., 2016, Chinmay Publication, Aurangabad.

Recommended Journals:

Journal of Mixed Methods Research- Sage
Journal of Applied Social Sciences- Sage
Research in Economics- Elsevier
Social Science Research- Elsevier
The Social Science Journal – Elsevier/ ScienceDirect

SEMESTER IV

ELECTIVE PAPERS

(Choose Any ONE Paper)

EC-4004

01 - ECONOMETRICS

02 - PUBLIC POLICY

03 - ECONOMICS OF ENVIRONMENT

04 - FOREIGN EXCHANGE MARKET

ELECTIVE COURSE
SEMESTER IV
EC- 4004
ECONOMETRICS
(This course will have *FOUR* credits)

PREAMBLE

Application of economic theory needs a reasonable understanding of economic relationships and relevant statistical methods. The syllabus of econometrics is to equip the students with an understanding of theoretical econometrics and the relevant applications of the econometric methods. This course covers various econometric methods applicable for testing empirical relationships in economics and those needed for applied economic research. An introductory module on time series methods has also been included in this course, which constitutes an important tool for analysis in economic studies.

Course Objectives:

- To apply econometric theory with the help of mathematical modeling and the use of statistical tools in order to solve economic problems.
- To demonstrate the practical and the applied aspects of econometrics involved in conducting empirical studies.

Programme Outcome:

- Ability to develop analytical and quantitative understanding, demonstrate and examine problem solving aptitude.
- Ability to evaluate and examine subject areas in economics with the help of econometric modeling.

1. Introduction:

04

- 1.1 What is Econometrics?
- 1.2 Statistical Background and Econometrics
- 1.3 The Methodology of Econometrics
- 1.4 Review of Statistical Inference – Statistical Estimation and Hypothesis Testing

2. Simple Regression Analysis:

14

- 2.1 The Two-Variable Linear Regression Model
- 2.2 The Ordinary Least-Squares Method and its Properties
- 2.3 Test of Significance of Parameter Estimates
- 2.4 Test of Goodness of Fit and Correlation
- 2.5 Analysis of Variance – One way and Two-way Analysis

3. Multiple Regression Analysis:

10

- 3.1 The Three-Variable Linear Regression Model
- 3.2 Tests of Significance of Parameter Estimates
- 3.3 The Coefficient of Multiple Determination
- 3.4 Test of the Overall Significance of the Regression
- 3.5 Partial-Correlation Coefficients

4. Violations of Classical Assumptions and Remedies:	06
4.1 Multicollinearity	
4.2 Heteroscedasticity	
4.3 Autocorrelation	
5. Further Techniques and Applications in Regression Analysis	10
5.1 Functional Forms	
5.2 Dummy Variables	
5.3 Simultaneous-Equations Models	
5.4 Identification using Rank and Order Condition	
6. Introduction to Time-Series Methods	04
6.1 Stationary Time Series – Strict Stationarity, Weak Stationarity	
6.2 Non-stationary Series	
6.3 Concept of Unit Root Process and Testing	
6.4 Introduction to Forecasting using Time Series Models	

Basic Reading List

1. Enders Walter (2018) 'Applied Econometric Time Series', (4th ed.) Wiley India
2. Gujarati, D. N., Porter, D. C. & Gunasekaran, S. (2009). Basic Econometrics. (5th ed.). Tata McGraw Hill
3. H. Stock James, W. Watson Mark (2017) 'Introduction to Econometrics' Pearson Education, Third Edition
4. Maddala G. S., Kajari Lahiri (2012) 'Introduction to Econometrics', John Wiley & Sons.

Recommended Books:

1. Dominick Salvatore and Derrick Reagle (2011) Schaum's Outline of Statistics and Econometrics, Second Edition (Schaum's Outlines).
2. Dougherty, C. (2011) Introduction to Econometrics (4th ed). Oxford University Press.
3. Gujarati Damodar (2017) 'Econometrics by Example', Palgrave Macmillan, 2nd edition
4. Jeffrey M. Wooldridge (2008) 'Introductory Econometrics: A Modern Approach' South Western, Second Edition
5. Koutsoyiannis A. (2001) 'Theory of Econometrics' Palgrave Macmillan, Second Edition
6. Nachane, Dilip M. (2008). Econometrics: Theoretical Foundations and Empirical Perspective (1st ed.). Oxford Textbooks

Recommended Journals

1. Journal of Quantitative Economics, The Indian Econometric Society
2. Quarterly Journal of Economics, Oxford Academic.
3. Econometrica, The Econometric Society
4. Journal of Econometrics - Elsevier
5. The Econometrics Journal, The Royal Economic Society

ELECTIVE COURSE
SEMESTER IV
EC- 4004
PUBLIC POLICY
(This course will have *FOUR* credits)

PREAMBLE

Public Policy is a specialized area in social sciences, with special reference to economics along with political science and sociology; the subject covers the study of public policy, the process and perspectives of policy making and the analysis and evaluation of Public Policy. The study of Public Policy provides an understanding of the various aspects of policy making on theories, concepts, process, methods, analysis and evaluation. The subject discusses public policy in historical perspective, the concepts of public policy, the methodologies for implementation as well as evaluation along with the impact of globalization on public policy.

Course Objectives:

- To develop an understanding of public policy in the theoretical as well as practical context.
- To discuss and debate the various aspects of public policy and policy making

Course Outcomes:

- Ability to analyze and evaluate the subject with reference to various aspects of Public Policy.
- Ability to develop an understanding of the public policy, its perspectives and processes and to be able to construct intellectual dialogue on the policy making and policy analysis and evaluation

1. Introduction to Public Policy

08

- 1.1 Concept, Meaning and Definitions of Public Policy
- 1.2 Historical Emergence and Relevance of Public Policy
- 1.3 Nature and Scope of Public Policy; Process of Policy Making
- 1.4 Perspectives of Policy Making, Impact of Globalization on Policy making

2. Concepts of Public Policy

08

- 2.1 Institutionalism
- 2.2 Process: Policy as a Political Activity
- 2.3 Public Choice
- 2.4 Strategic Planning

3. Policy Implementation and Evaluation

10

- 3.1 Concept of Policy Implementation and Methods/Techniques of Policy Implementation
- 3.2 Concept of Policy Evaluation and Methods/Techniques of Policy Evaluation

4. Economics of Public Policy

12

- 4.1 Types of Public Policy Analysis – -Empirical, Normative, Retrospective and Prospective; -Descriptive and Prescriptive
- 4.2 Actors in Public Policy Analysis --Government, Media, Civil Society -Multinational Agencies, Transnational Agencies, International Donor Agencies
- 4.3 Constraints in Public Policy Analysis- Economic Constraints, International

Constraints, Social and Cultural Constraints, Political Constraints/Feasibility
4.4 Emerging Trends – Ombudsman, Local Bodies, Whistle Blowers, Citizens Organizations

1 5. Globalization and Public Policy 10

- 2 5.1 Globalization of Economic Activity
- 3 5.2 Reforming Institutions – The State, The Market and Public Domain
- 4 5.3 Global Public Policy – Global Trade, Global Financial Markets and Global Crime
- 5 5.4 Globalization and Interdependence, Organizations and Accountability

Basic Reading List:

1. Anderson James. E., (2010) *Public Policy-Making: An Introduction*”, Cengage Learning, 7th Edition
2. Birkland Thomas A., (2005), *An Introduction to The Policy Process: Theories, Concepts, And Models of Public Policy Making*, Armonk;
3. Chandler. Dye Thomas (2008), *Understanding Public Policy*, Singapore, Pearson Education
4. Chakrabarti Rajesh, Kaushiki Sanyal (2016) “Public Policy in India” OUP India
5. Mathur Kuldeep (2015) *Public Policy and Politics in India: How Institutions Matter*” OUP India
6. McCool, Daniel C. (ed.), (1995), “Public Policy Theories, Models, and Concepts: An Anthology”, NJ: Prentice-Hall
7. Moran Michael, Martin Rein, Robert E. Goodin (2018) “The Oxford Handbook of Public Policy” OUP
8. Saumitra Mohan (2018) “Indian Policy and Development: A Manual for National Schemes and International Policies” McGraw Hill Education

Recommended Books:

1. Ashford, Doug (ed.), (1992), “History and Context in Comparative Public Policy”, Ithaca, NY: University of Pittsburgh Press.
2. Bergerson, Peter J. (ed.), (1991), “Teaching Public Policy: Theory, Research and Practice”, Westport, RI: Greenwood Press
3. Dahl, Robert and Charles Lindblom, (1976), “Politics, Economics and Welfare”, New York, Harper
4. Dror. Y., (1989), “Public Policy making Re-examined”, Routledge, 2nd Edition
5. Hill Michael, (2005), *The Public Policy Process*, Harlow, UK; Pearson Education, 5th Edition
6. Houghton Bardach, Eugene (1977), “The Implementation Game: What Happens After a Bill Becomes a Law”, Cambridge, MA: MIT
7. Howlett, Michael, and M. Ramesh, (1995), “Studying Public Policy: Policy Cycles and Policy Subsystems”, OUP, Toronto
8. Jones, C.O., (1970), “An Introduction to the Study of Public Policy”, Belmont, Prentice - Hall
9. Lerner, D. and H.D. Lasswell (eds.), (1951), “The Policy Sciences”, Stanford University Press
10. Lindblom, C.E., and E.J., Woodhouse, (1993), “The Policy making Process”, 3rd ed., Prentice - Hall
11. Nachmias, David, (1979), “Public Policy Evaluation: Approaches and Methods”, New York: St. Martin's Press
12. Jay M. Shafritz (ed) (1998), “International Encyclopedia of Public Policy and Administration”, Westview Press

13. John, Peter, (2012), “Analysing Public Policy”, Routledge, 2nd Edition
14. M.E. Sharpe Brewer, Gary D., and Peter de Leon (1983), “The Foundations of Policy Analysis”, Homewood, IL.: The Dorsey Press
15. Bellinger William K (2015) “The Economic Analysis of Public Policy” Routledge, 2nd Edition

Recommended Journals

Indian Journal of Public Policy and Administration - Sage
International Journal of Public Policy – Inderscience
Journal of Asian Public Policy –Taylor and Francis Online
Journal of Public Policy – Cambridge
Journal of Public Policy and Administration – Science Publishing Group
Science and Public Policy – Oxford Academic Journals

ELECTIVE COURSE
SEMESTER IV
EC-4004
ECONOMICS OF ENVIRONMENT
(This course will have *FOUR* credits)

PREAMBLE

Environmental economics has emerged as an important sub-discipline of economics in recent times as humanity struggles to respond to the environmental crisis that challenges the very existence of human beings. Environmental economics focuses on the relationship between human behavior, economic systems as well as mechanisms and environmental quality. It attempts to explore fundamental questions of how the economic system shapes economic incentives in ways that lead to environmental degradation as well as improvement. It focuses on the nature of environment as a social good and the relationship between environment and economic development. Environmental economics explores economic principles, economic theories and various analytical tools of economics for environmental protection, regulation and policy making. This curriculum introduces post graduate students of economics to the field of environmental economics and equips them with analytical tools to comprehend various environmental issues.

Course Objectives:

- To develop an understanding of the economics of environment in the theoretical as well as practical context.
- To discuss various analytical tools to comprehend various environmental issues.

Programme Outcome:

- Ability to analyze and evaluate the subject with reference to various aspects of the economics of environment.
- Ability to develop an understanding of the economics of environment and various analytical tools to comprehend environmental issues

1 Introduction

12

- 1.1 Economics of Environment – Meaning, Nature, Scope and Significance
- 1.2 Environment as an Economic and a Social Good – Exhaustive and Renewable Common Property Resources
- 1.3 Economic Development and Environment – Trade-off, Environmental Kuznets Curve & Limits to Growth
- 1.4 Sustainable Development

2 Environmental Challenges

12

- 2.1 Environment and Agricultural Development – Technological Change –Use of Water, Fertilizers, Pesticides – Groundwater and Forest Depletion
- 2.2 Environment and Industrial Development – Pollution, Urbanization
- 2.3 Global Environmental Issues – Depletion of Ozone Layer, Green House Effect, Global Warming, Climate Change, Loss of Bio-diversity

3 Environmental Regulation – Theories and Analytical Tools

12

- 3.1 The Economic Theory of Efficient Pollution Control – Marginal Abatement Cost (MAC) & Marginal Environmental Damage (MED)
- 3.2 Externalities and Market Failures – Coase Theorem

- 3.3 Environmental Regulation – Command and Control Regulation versus Market Based Instruments – Emission Taxes and Charges, Environmental Taxes and Subsidies, Resolutions through Direct Negotiations, Emissions Trading
- 3.4 Environmental Value Assessment – Environmental Value, Revealed Preference Method, Stated Preference Method, Cost-Benefit Analysis

4 Climate Change, Environmental Agreements and Policies 12

- 4.1 Climate Change – Greenhouse Gases, Accumulation of Emissions and Process of Global Warming,
- 4.2 Kyoto Protocol – Emission Reduction Targets, Kyoto Mechanisms, Limitations of Kyoto Protocol, Carbon Credits
- 4.3 Paris Agreement – Aims, Nationally Determined Contributions, Effects on Global Temperature, Mechanisms and Criticism
- 4.4 India’s Environmental Policy, Environment Protection Laws, National Green Tribunal

Reading List:

- 1 Baumol, W.J. & Oates, W.E. (1997), *The Theory of Environmental Policy*, Prentice Hall, Englewood-cliffs
- 2 Bhattacharya, R. N. (2006), *Environmental Economics: An Indian Perspective*, Oxford University Press, New Delhi
- 3 Field, Barry & Field, Martha (2016), *Environmental Economics: An Introduction*, McGraw-Hill Education, New York.
- 4 Managi, Shunsuke & Kuriyama, Koichi (2017), *Environmental Economics*, Routledge, London and New York
- 5 Singh, Katar & Shishodia, Anil (2010), *Environmental Economics: Theory and Applications*, Sage Publications, New Delhi
- 6 Smith, Stephen (2011), *Environmental Economics: A Very Short Introduction*, Oxford University Press, New York
- 7 Ulaganathan, Sankar (2006), *Environmental Economics*, OUP, New Delhi

Recommended Books:

- 1 Ali, S.A. (1979), *Resources for Future Economic Growth*, Vikas Publishing House, New Delhi.
- 2 Charles Peering (1987) *Economy and Environment* Cambridge University Press, New York.
- 3 Dorfman, R & N. Dorfman (Eds.) (1977), *Economics of the Environment*. W.W. Norton, New York.
- 4 Hanley, Nick; Shogren, Jason & White, Ben (2004), *Environmental Economics in Theory and Practice*, McMillan India Limited, Delhi

Recommended Journals:

- Journal of Environmental Economics and Management
- Review of Environmental Economics and Policy
- Environmental and Resource Economics
- Ecological Economics
- Annual Review of Resource Economics
- Land Economics

ELECTIVE COURSE
SEMESTER IV
EC-4004
FOREIGN EXCHANGE MARKET
(This course will have *FOUR* credits)

PREAMBLE:

The course makes an attempt to provide an introduction to the foreign exchange market and at the same time provide an understanding of the analytical rigour of the subject. Foreign exchange market is an elective course that covers meaning and concept of foreign exchange market, transactions in foreign exchange market, exchange rate mechanism and risk management of the foreign exchange market. Foreign exchange market will try to clear the concepts regarding the currency market and provides basic knowledge to the students to get engaged in the activities.

Course Objectives:

- To enable understanding of the concepts and transactions in the foreign exchange market such as spot and forward transactions, etc. and the risks associated.
- To enable understanding of the foreign exchange market activities at national and international level.

Programme Outcome:

- Ability to analyze and demonstrate knowledge of the foreign exchange market transactions, exchange rate mechanism and exchange risk in economics.
- At the end of the course, the student should be able to evaluate Foreign exchange market concepts, market structure, transactions and its use in real life.

1. Introduction	12
1.1 Foreign Exchange and Foreign Currency- meaning & Definitions	
1.2 Structure of Foreign exchange Market: Market Segments, Market Players,	
1.3 Features & Functions of Foreign Exchange Market	
1.4 Constituents of Foreign Exchange Market- Central Bank, Commercial Banks, Non-Banks, Individuals & Firms, Speculators, Arbitrageurs, Forex Dealers, Forex Brokers	
2. Foreign Exchange Transactions	12
2.1 Spot and Forward Transactions- Meaning & features	
2.2 Financial Derivatives- Swaps, Options and Futures- Meaning	
2.3 Hedging- Meaning	
2.4 Arbitrage- Meaning	
3. Exchange Rate Mechanism	12
3.1 Exchange Rate Determination: The PPP Theory, the BOP Theory	
3.2 Fixed and Flexible Exchange Rates, Official and Free Market Rates	
3.4 Relation between Rate of Interest and Foreign Exchange Rate	

4. Risk Management

12

- 4.1 Nature of Risk in Foreign Exchange Market,
- 4.2 Foreign Exchange Settlement Exposure and Foreign Exchange Settlement Risk
- 4.3 Types of Risks in Foreign Exchange Market –
 - 4.3.1 Market Risk, Credit risk, Liquidity Risk, Replacement Risk, Interest Rate Risk
 - 4.3.2 Operational Risk, Systemic Risk, Legal Risk, Country Risk, Sovereign Currency Risk
- 4.5 Intervention in Foreign Exchange Market
- 4.6 Role of RBI in Foreign Exchange Market in India; Developments since 1991

Basic Reading:

- 7. Anthony Steve (2002) 'Foreign Exchange in Practice: the New Environment' Palgrave
- 8. Brandl Michael (2019) 'Money, Banking, Financial Markets and Institutions' Cengage Learning
- 9. Bhole, L. M., Jitendra Mahakud (2017) 'Financial Institutions and Markets' Tata McGraw Hill, ND
- 10. Fabozzi Frank J., Steven V. Mann, Moorad Choudhry (2002) 'The Global Money Markets' John Wiley & Sons
- 11. Frederic Mishkin and Stanley Eakins (2006) 'Financial Markets and Institutions', Pearson 5th Edition
- 12. Frederic Mishkin (2019) 'The Economics of Money, Banking and Financial Markets' Pearson Education India, 11th edition
- 13. Luca Cornelius (2007) 'Trading in Global Currency Markets' Penguin, USA
- 14. Madura Jeff (2014) 'Financial Institutions and Markets' Cengage
- 15. Gupta SL (2017) 'Financial Derivatives- Theory, Concept and Problems' PHI Learning
- 16. Srivastava Rajeev (2014) 'Derivatives and Risk Management' OUP

Recommended Readings:

- 9. Batra G.S. "Financial Services and Markets", New Delhi: Deep and Deep Publications Pvt. Ltd., Latest Ed.
- 10. Das S. C. (2015) 'The Indian Financial System: Markets, Instruments, Institutions, Services and Regulations' PHI Learning
- 11. Gurusamy S (2004) "Financial Services and Markets", Vijay Nicole Imprints
- 12. Hull John C, Sankarshan Basu (2018) "Options, Futures and Other Derivatives", Pearson Education, 10th Edition
- 13. Kothari Rajesh. "Financial Services in India Concept and Application", New Delhi, Sage Publications. 2010.
- 14. Meir Kohn (2013) 'Financial Institutions & Markets; OUP
- 15. Chandra P. (2017), 'Investment Analysis and Portfolio Management', McGraw Hill Education, Fifth Edition

Recommended Journals:

International finance- Wiley Online
Journal of International financial Markets, Institutions and Money- Elsevier
Journal of International Money and Finance



Savitribai Phule Pune University
(Formerly University of Pune)

**M.A. (Master of Arts) Post Graduate Degree Program in
Psychology**
(Faculty of Humanities)

M.A. PSYCHOLOGY

Choice Based Credit System (Semester Pattern)

Syllabus

To be implemented from Academic Year 2019-2020

SEMESTER-II

EP-201: COGNITIVE PSYCHOLOGY: ADVANCES AND APPLICATION

Objectives and learning outcomes:

1. To understand the advances in cognitive psychology
2. To study the application of cognitive psychology in different fields

Unit-1: Advance in Cognitive Psychology- I

- 1.1. **Definition and Nature:** Consciousness
- 1.2. **Definition and Nature:** Critical Thinking
- 1.3. **Definition and Nature:** Neuropsychology
- 1.4. **Conceptual Understanding:** Metacognition
- 1.5. **Application :** Brain Assessment Tools : CT Scan, MRI, fMRI, PET Scan

Unit-2: Advances in Cognitive Psychology-II

- 2.1. Thought and Language
- 2.2. Sex Differences and Cognitive Abilities
- 2.3. IQ, EQ and Creative Thinking
- 2.4. Reading, Writing, Speaking and Cognitive Phenomenon
- 2.5. **Application:** Develop Critical Thinking

Unit-3: Applications of Cognitive Psychology- I

- 3.1. **Application in Clinical Psychology :** Brain and Behaviour Problems
- 3.2. **Application in Clinical Psychology:** Psychotherapies
- 3.3. **Application in Education Psychology:** (i) Child development (ii) Learning styles
- 3.4. **Application in Education Psychology:** (i) Forgetting (ii) Moral development
- 3.5. **Application:** Cognitive Stages of Development and Teaching methods/techniques

Unit-4: Applications of Cognitive Psychology- II

4.1. Application in Forensic Psychology : (i) Cognitive interview (ii) Lie Detector

4.2. Application in Forensic Psychology: (iii) Eyewitness testimony (iv) Face Recognition

4.3. Application in Computer Science: Memory Models and Computer Science

4.4. Application in Computer Science : Information processing, SDT

4.5. Application: Identity Kit

READINGS:

1. Anderson, J. R. (2015). *Cognitive psychology and its implications*. New York: Worth Publishers
2. Best, J. B. (1999). *Cognitive Psychology*. USA: Wadsworth Publishing Co.
3. Borude, R.R. *Bodhanikmanasashastra*. ChhayaPrakashan.
4. Galloti, K. M. (2004). *Cognitive psychology in and out of the laboratory*. USA: Thomson Wadsworth.
5. Horton, D. L. and Turnage, T. W. (1976). *Human learning*. ND: Prentice-Hall
6. Kellogg, R. T. (2007). *Fundamentals of Cognitive Psychology*. N.D. Sage Publications
7. Matlin, M. (1994). *Cognition*. Bangalore: Harcourt Brace Pub.
8. Singh, Shyam & Singh (2008) *Psychoneuroimmunology*, Global Vision, New Delhi
9. Sternberg, R. J. (2007). *Cognitive Psychology*. Australia: Thomson Wadsworth.
10. Solso, R. L. (2004). *Cognitive Psychology (6th ed.)*. Delhi: Pearson Education.
11. बोरुडे आर.आर. .२००५ (बोधनिक मानसशास्त्र ,छाया प्रकाशन
12. भरत देसाई आणि शोभना अभ्यंकर) २००७ (प्रायोगिक मानसशास्त्र आणि संशोधन पद्धती ,नरेंद्र प्रकाशन ,पुणे

Note : Relevant and recent research articles will be referred in text preparation.



SAVITRIBAI PHULE PUNE UNIVERSITY

(Formerly University of Pune)

PSYCHOLOGY

SYBA Syllabus

(CBCS Pattern – To be implemented from 2020-2021)

Structure according to CBCS pattern

SYBA (Semester III and IV)

Semester	Core Courses	Ability Enhancement Compulsory Courses	Skill Enhancement Courses	Discipline Specific Elective Courses	Generic Elective	Credit
	CC	AEC	SEC	DSE	GE	
III	Compulsory English (3)	Environment Science (2)	SEC-1A (3)	DSE-1A (3)		24
	MIL 2 (2)		SEC-2A (2) Value/skill based course	DSE-2A (3)		
	CC-1C (3)					
	CC-2C (3)					
IV	Compulsory English (3)	Environment Science (2)	SEC-1B (3)	DSE-1B (3)		24
	MIL 2 (2)		SEC-2B (2) Value/skill based course	DSE-2B (3)		
	CC-1D (3)					
	CC-2D (3)					
						48

Semester-3	Semester-4
DSE-1A: Psychology of Abnormal Behaviour-1	DSE-1B: Psychology of Abnormal Behaviour-2
DSE-2A : Developmental Psychology	DSE-2B: Theories of Personality
CC/SEC- 1A: Health Psychology	CC/SEC- 1B: Positive Psychology
SEC-2A: Health Promotion Life Skills	SEC-2B: Basic Counselling Skills

SEC-2B: Skill Enhancement Courses (SEC) – (2 Credits)

Notes:

1. The University Grants Commission has made it compulsory for students to earn two credits from a Skill Enhancement Course (SEC) in each semester second year onwards.
2. It is mandatory for the student to complete one Skill Enhancement Course (SEC) in each semester from Semester III to Semester VI.
3. Skill Enhancement Course (SEC) will have two (2) credits only.

SEC-2B: Basic Counselling Skills**Unit-I: Introduction of counselling**

- 1- Counselling process: counselors and helpers
- 2- What are basic counseling skills?
- 3- Helping relationship and helping process

Unit-II: Counselling skills

- 1- Starting, structuring and summarizing
- 2- Facilitating problem solving
- 3- Improving clients feedback

Unit-III: Considerations in counseling

- 1- Ethical issues and dilemmas
- 2- **Multicultural and gender aware helping**
- 3- Getting support and being supervised

Ref.:

Richard Nelson-Jones (2012). Basic counseling skills: A helper's manual (3rd edition). Sage



SAVITRIBAI PHULE PUNE UNIVERSITY

(Formerly University of Pune)

PSYCHOLOGY

SYBA Syllabus

(CBCS Pattern – To be implemented from 2020-2021)

Semester-3**SEC- 1A: HEALTH PSYCHOLOGY**

Learning Outcomes: After the completion of this course students will be able to:

- 1: Understand health psychology and arrive at the introduction to the role of psychology in health.
- 2: Understand the nature of stress and coping
- 3: Understand various factors related to health and diseases.
- 4: Understand quality of life and promoting the good health.

Unit-I: An Introduction to Health Psychology**(12)**

- 1- Health Psychology – Definitions, Nature, Aims
- 2- Biopsychosocial Model of Health
- 3- Psychology's Role in Health - Problems in the HealthCare System, "The Person" in Health and Illness, How the Role of Psychology Emerged and Progress in Health Psychology's Goals.
- 4- Application: The Need of Health Psychology- Changing Patterns of Illness, Expanded Health Care Services, Increased Medical Acceptance

Unit-II: Stress and Coping**(11)**

- 1- Stress – Definitions, Nature & Types
- 2- Sources of Stress - (Sources within the Person, Sources in the Family & Sources in the Community and Society)
- 3- Responding to Stress (Physiological, Emotional & Behavioural Response)
- 4- Coping Behaviour – Problem Focused coping (Ellis's rational thinking, Positive reinterpretation & Humor as a stress reducer) & Emotion Focused Coping (Using systematic problem solving, using time more effectively & improving self-control)

Unit-III: Chronic Health Problems and Its Management**(11)**

- 1- Personal Issues in Chronic Health Disorders - The Physical Self, Achieving Self, Social Self & Private Self
- 2- Emotional Responses to Chronic Health Disorders – Denial, Anxiety & Depression
- 3- Major Chronic Health Problems- Heart Disease, Hypertension, Stroke, Cancer, Type II Diabetes & AIDS
- 4- Application: Psychological Interventions for Chronic Health Disorders (Pharmacological Interventions, Individual Therapy, Social Support Interventions and Relaxation, Stress Management after COVID-19)

Unit-IV: Primary Prevention & Health Promotion**(11)**

- 1- Quality of life and Health Behaviour - Changing Health Habits & Health Beliefs (Attitude change & Placebo Effect)
- 2- Health Compromising Behaviours (Characteristics) - Obesity, Smoking & Drinking.
- 3- **Developmental, Gender, and Sociocultural Factors in Health** - Development and Health, **Gender and Health**, Sociocultural Factors and Health
- 4- Health Promoting Behaviours - Diet, Exercise, Sleep, Rest, Vaccination and Screening, Accident prevention

Source Books

- Ogden, J. (2017). Health psychology: A textbook (4th ed.). McGraw Hill Education.
- Sarafino, Edward P and Smith, Timothy W (2012). Health Psychology - Bio psychosocial Interaction (7th ed). Wiley India Edition.
- Taylor, Shelley E. (2018). Health Psychology (10th ed). McGraw Hill Higher Education. Indian Edition
- Weiten, W. and Lloyd, M. (2007). Psychology applied to modern life: Adjustment in the 21st century, Indian Edition 8th. Thomson

Semester-4**SEC- 1B: POSITIVE PSYCHOLOGY**

Learning Outcomes: After the completion of this course students will be able to:

1. Understand how the positive psychology as the science of happiness, human strengths, positive aspects of human behavior and 'psychology of well-being.'
2. How we lead our lives, find happiness and satisfaction, and face life's challenges.
3. How positive psychology has become an evolving mosaic of research and theory from many different areas of psychology.

Unit-I: Meaning, Definition and Nature of Positive Psychology (12)

1. Definitions and Nature of Positive Psychology.
2. Traditional Psychology, Assumptions and Goals of Positive Psychology.
3. Fields of Positive Psychology.
4. The Nun study: Living longer with positive emotions.

Unit-II: Happiness and the Facts of Life (11)

1. Psychology of well-being. Positive affect and Meaningful Life
2. Subjective Well-being: Hedonic basis of happiness.
3. Self-Realization: The Eudaimonic basis of happiness
4. Happiness Across the Life Span, **Gender and happiness**, Marriage and happiness, other facts of life.

Unit-III: Positive Emotions, Wellbeing and Resilience (11)

1. What are positive emotions? The Broaden and Build Theory of Positive Emotions.
2. Positive Emotions and Health Resources: Physical, Psychological and Social Resources.
3. Positive emotions & well-being, Flow experiences and Savoring.
4. What is resilience? Perspectives of Resilience, Resilience Research, Growth through Trauma.

Unit-IV: Personal Goals, Positive Traits and Life above Zero. (11)

1. What are personal goals? The Search for Universal Human Motives, Materialism and its discontents.
2. What makes a trait positive? Personality, Emotions and Biology.
3. Positive beliefs, Virtue and Strengths of Character.
4. Logotherapy: Basic concepts, Contours of positive life: Meaning and Means, Mindfulness and Well-being.

Books for Reading:

Badgujar, Chudaman, & Warkhede, Prabhakar (2016) Sakaratmak Manasashatra, Prashant Publications, Jalgaon.

Baumgardner, S. R., & Crothers, M. K. (2009). Positive Psychology: Pearson Education.

Carr, Alan (2007). Positive Psychology: The science of human happiness and human strengths. Routledge, Taylor and Francis Group-London.

Csikszentmihalyi, Mihaly (1990) Flow: The Psychology of Optimal Experience, Harper Perennial.

Garcia, Hector., & Mirrales. Francesc. (2017) IKIGAI-The Japanese Secret to a Long and Happy Life, Hutchinson London.

Frankl, Viktor E. (1988). The Will to Meaning: Foundations and Applications of Logotherapy. Meridian/Plume

Frankl, Viktor E. (2000) Man's Search for Ultimate Meaning, Basic Books.

Shinde, Vishwanath (2016). Sakaratmak Manasashatra, Daimond Publications, Pune.

Snyder, C. R., & Lopez, S. J., & Pedrotti, J. T (2011) Positive Psychology: The Scientific and Practical Explorations of Human Strengths, Sage Publications India Pvt Ltd.



Savitribai Phule Pune University, Pune

Faculty of Humanities

S.Y.B.A. in History

Choice Based Credit System Syllabus

To be implemented from the Academic Year 2020-2021

Savitribai Phule Pune University, Pune

Under the Faculty of Humanities

Structure of Choice Based Credit System for Undergraduate Programme to be Implemented from Academic Year 2020-2021

Subject- History

Semester	Core Courses(CC)	Ability Enhancement Compulsory Course(AEC)	Skill Enhancement Courses (SEC)	Discipline Specific Elective Courses (DSE)
III	CC-1(3) History of the Marathas: (1630-1707)	Environment Science (2)	Any One Choose SEC -1A (2) 1.Bhrahmi Script OR 2.Art &Architecture in Early India OR 3.Digital Documentation OR 4.Tourism Management	DSE-1A (3) 1.Medieval India - Sultanate Period
				Any One Choose DSE-2A (3) 2.Glimpses of the Modern World - Part I OR 3. History of East Asia
IV	CC-2(3) History of the Marathas: (1707-1818)	Environment Science (2)	Any One Choose SEC -2B (2) 5.Modi Script OR 6.Medieval Indian, Art &Architecture OR 7.Popular Indian Culture OR 8.Travel Agency & Tour Business	DSE-1B (3) 4.Medieval India: Mughal Period
				DSE-2B (3) 5. Glimpses of the Modern World - Part II OR 6. History of West Asia

Note- CC - General Course

DSE - Special Course

SEC - Skill Enhancement Course

Savitribai Phule Pune University, Pune

Proposed Syllabus in History for S.Y.B.A. (Credit System) from the academic Year 2020-21

Under the Faculty of Humanities

Core Course-I (CC- 1C)- 3 Credit

Semester -III-History of the Marathas: (1630-1707)

Learning Objectives:

1. To introduce the students to the regional history of medieval Maharashtra and India.
2. To study political, social and conceptual history of the Marathas in an analytical way with the help of primary sources.
3. To evaluate contribution of Chhatrapati Shivaji Maharaj to the establishment of Swarajya, contribution of successors and later development of the Maratha kingdom.
4. To study administrative Institutions of the Maratha.

Learning Outcome:

1. Student will develop the ability to analyse sources for Maratha History.
2. Student will learn significance of regional history and political foundation of the region.
3. It will enhance their perception of 17th century Maharashtra and India in context of Maratha history.
4. Appreciate the skills of leadership and the administrative system of the Marathas.

Pedagogy: Lectures/Visual presentation/ Role play/ Critical analysis/Assignments/Tests/Quiz/
e-learning

Unit-I: Sources and Rise of the Maratha Power 10

- a) Literary Sources: Marathi and Foreign Sources (Portuguese, English, French)
- b) Background of the rise of Maratha Power
- c) **Shahaji Raje, Rajmata Jijabai and Early Life of Chhatrapati Shivaji Maharaj**

Unit-II: Foundation of Swarajya to the Coronation, Karnataka Expedition 15

- a) Relations with Adilshahi: Javali and Afzal Khan episode and its importance
- b) Relations with Mughals: Campaign of Shayasta Khan, Sack of Surat, expedition of Jaisingh, Visit to Agra
- c) Coronation and Karnataka Expedition

Unit-III: Administration under Chhatrapati Shivaji Maharaj 08

- a) Military
- b) Civil

- a) Chhatrapati Sambhaji Maharaj: Consolidation of power, Relations with Mughals.
- b) Chhatrapati Rajaram Maharaj, Maharani Tarabai and Mughals
- c) Santaji Ghorpade, Dhanaji Jadhav and Ramchandrapant Amatya

Reference Books: English

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2. Apte B. K., ed. Chatrapati: Shivaji's Coronation Tercentenary Commemoration. Bombay: University of Bombay, 1974-75.
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12. Kulkarni, A. R., Maharashtra in the Age of Shivaji, Deshmukh & Co., Poona, 1969.
13. Kulkarni, A. R., Maharashtra: Society and Culture, Books and Books, New Delhi, 2000.
14. Kumar, Raj (ed.), Maratha Military Systems, Commonwealth Publishers, New Delhi, 2004.
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16. Nadkarni, R.V., The Rise and Fall of the Maratha Empire, Popular Prakashan, Poona, 1966
17. Pagadi Setu Madhavrao, Chhatrapati Shivaji, Continental Prakashan, Pune, 1974
18. Ranade, M.G., Rise of the Maratha Power, University of Bombay, 1961.
19. Sardesai, G.S., The Main Currents of Maratha History, Phoenix Publications, Bombay, 1959.
20. Sardesai, G.S., The New History of the Marathas, Vol I: Shivaji and his Times, Phoenix Publications, Bombay, 1971
21. Sarkar, Jadunath, Shivaji and His Times, 6th edition, Sarkar & sons, 1973.
22. Sarkar, Jadunath, House of Shivaji, Orient Longman, Bombay, 1978.
23. Sen, Surendranath, Administrative System of the Marathas, K.P. Bagchi & Company, Calcutta, 1923.
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२. आपटे द. वि. आणि न. चिं केळकर (संपा.) शिवकालीन पत्रसार संग्रह, खंड १
३. कुलकर्णी अ. रा., शिवकालीन महाराष्ट्र, शिवाजी विद्यापीठ प्रकाशन, कोल्हापूर, १९७८
४. ग.ह. खरे आणि कुलकर्णी अ. रा. (संपा.) मराठ्यांचा इतिहास, खंड १, २ आणि ३, कॉन्टिनेन्टल, पुणे, खंड १: १९८४, खंड २: १९८५, खंड ३: १९८६
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६. गायकवाड बी. डी., सरदेसाई, थोरत, हणमने, मराठेकालीन संस्था व विचार, फडके प्रकाशन, कोल्हापूर, १९८७
७. जोशी एस. एन., मराठेकालीन समाजदर्शन, अ. वि. गृह प्रकाशन, पुणे १९६०
८. जोशी एस. एन., अर्वाचीन महाराष्ट्रेतिहासकालातील राज्यकारभाराचा अभ्यास १६००-१६८०, खंड - १, पुणे विद्यापीठ प्रकाशन, पुणे, १९५९.
९. जोशी एस. एन. आणि भिंगारे एल. एम. (संपा.) आज्ञापत्र आणि राजनिती, पुणे, १९६०
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११. देशमुख शारदा, शिवकालीन व पेशवेकालीन स्त्रीजीवन, टिळक महाराष्ट्र विद्यापीठ, पुणे, १९७३
१२. भावे वा. क., शिवराज्य व शिवकाल, पुणे, १९५७
१३. भट भास्कर वामन, महाराष्ट्र धर्म अर्थात मराठ्यांच्या इतिहासाचे आत्मिक स्वरूप, महाराष्ट्रधर्म ग्रंथमाला, ग्रंथ चवथा, धुळे, १९२५, (१८४७)
१४. शेजवलकर टी. एस., श्री शिवछत्रपती- प्रस्तावना, आराखडा व साधने, मराठा मंदीर प्रकाशन, मुंबई, १९६४
१५. सरदार गं. बा., संतवाडमयाची सामाजिक फलश्रुती, श्री विद्या प्रकाशन, पुणे, १९८२
१६. हेरवाडकर आर. व्ही., मराठी बखर, व्हिनस प्रकाशन, मुंबई, १९८६
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Savitribai Phule Pune University, Pune
Proposed Syllabus in History for S.Y.B.A. (Credit System) from the academic Year 2020-21
Under the Faculty of Humanities
Discipline Specific Elective Course (DSE-1A) - 3 Credit
Semester -III-Medieval India - Sultanate Period

Course objectives:

1. Demonstrate thinking skills by analyzing, synthesizing, and evaluating historical information from multiple sources.
2. Develop the ability to distinguish between fact and fiction while understanding that there is no one historical truth.
3. To Learn foundation of Delhi Sultanate and Sultanate Administration.
4. To understand the socio, economic condition of Delhi Sultanate

Course outcome:

1. Provides examples of sources used to study various periods in history.
2. Relates key historical developments during medieval period occurring in one place with another.
3. Analyses socio - political and economic changes during medieval period
4. Estimate the foreign invasion and the achievement of rulers

Pedagogy: Lectures/Visual presentation/ Role play/ Critical analysis/Assignments/
Tests/Quiz/Maps./Field visit/ Group Discussion/ Seminar /use of e-learning

Unit I: Foundation of the Delhi Sultanate	10
a) Sources of Historiography of Sultanate Period	
b) Invasions of Muhammad Ghori	
c) Foundation of Delhi Sultanate: Qutbuddin Aibak	
Unit II: The early Sultans of Delhi and their contributions	10
a) Iltutmish	
b) Raziyya	
c) Balban	
Unit III: Expansion of Sultanate	15
a) Alauddin Khalji: Expansion and Administrative Reforms	
b) Experiments of Muhammad-Bin-Tughlaq, Firuz Tughlaq: Administrative Reforms.	
c) The Saiyyids, the Lodis and the decline of the sultanate.	
Unit IV: Kingdoms of Vijayanagar and Bahamani	10
a) Rise of Vijayanagar Empire: Harihar, Bukka, Krishnadevray	

- b) The Emergence and expansion of the Bahamani Kingdom: Contribution of Muhmud Gawan
- c) Disintegration of Bahamani Kingdom

Books for Study: English

1. Banerjee A.C., New History of Medieval India, New Delhi, S.Chand & Co., New Delhi, 1990.
2. Chitnis K.N., Glimpses of Medieval Indian and Institutions, Poona, 1981.
3. Chitnis K.N., Socio-Economic History of Medieval India, Atlantic Publishers and Distributors, New Delhi, 1990.
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20. Mahajan V.D. History of India, Madras
21. Irfan Habib, Delhi Sultanate
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Marathi:

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2. Chitnis K.N., MadhyayginBharatiyaSankalpanava Sanstha Bhag 1 te 4, Allrich Enterprises, Mumbai
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4. Phadnaik Chandrashekhar, PrachinvaMadhyayugin Bharat, Vidya Prakashan, Nagpur.
5. Bhide Gajanan, Nalavade Vijay, Naiknavare, Madhyayugin Bharat, PhadakePrakashan, Kolhapur.
6. Sardesai G.S., MusalmaniRiyasat, Popular Prakashan, Mumbai.
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8. Athaley Vibha, PrachinvaMadhyayugin Bharat.
9. Chandra Satish, Madhyayugin Bharat, Jawahar Publishers, New Delhi.
10. Dr. Kathare Anil, MadhyayuginBharatachaItihas, Prashant Publications, Jalgaon,2013
11. Acharya Apte, Madhyayugin Bharat.

Hindi:

1. Irfan Habib (Sampa.), Madhyakalin Bharat, Ank 1 te 5, RajkamalPrakashan, New Delhi.
2. Irfan Habib(Sampa.), MadhyaKalin Bharat, Ank 2, RajkamalPrakashan, New Delhi.
3. Irfan Habib(Sampa.), MadhyaKalin Bharat, Ank 3, RajkamalPrakashan, New Delhi
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Proposed Syllabus in History for S.Y.B.A. (Credit System) from the academic Year 2020-21
Under the Faculty of Humanities
Discipline Specific Elective Course (DSE-2A) - 3 Credit
Semester -III-Glimpses of the Modern World - Part I

Learning Objectives:

1. This paper is designed to introduce the students to the history of the Modern World with its socio-religious, political and economic developments.
2. It will enable students to study interesting historical developments in the countries other than India, which had a significant impact on almost all over the Modern World.
3. It will enable students to understand the significant impact of the modern concepts such as Renaissance, Nationalism, Communism, Imperialism, etc.
4. It will get students acquainted with the major revolutions, and political developments which led to the World War I and its consequences.

Learning Outcomes:

1. It will enable students to develop the overall understanding of the Modern World.
2. The students will get acquainted with the Renaissance, major political, socio-religious and economic developments during the Modern World.
3. It will enhance their perception of the history of the Modern World.
4. It will enable students to understand the significance of the intellectual, economic, political developments in the Modern World.

Pedagogy: Lectures/Visual presentation/ Role play/ Critical analysis/Assignments/Tests/Quiz/
e-learning

Unit I. The Modern Age	6
a) Renaissance - Background and Nature	
b) Religious Reforms Movement - Martin Luther King	
Unit II. The Age of Revolutions	13
a) The American Revolution - Causes and Consequences	
b) The French Revolution - Causes and Consequences	
c) The Industrial Revolution - Causes and Consequences	
Unit III. Nationalism	13
a) Unification of Italy	
b) Unification of Germany	
c) Japan - The Meiji Revolution	

- a) World War I - Causes and Consequences
- b) Paris Peace Settlement; League of Nations
- c) The Russian Revolution - Causes and Consequences

Reference Book:

ENGLISH

- 1.Carr E.H., International Relations between the two World Wars.
- 2.Corwall R.D.: World History in 20th Century, Longman, London, 1976.
- 3.Dev Arjun and Indira Dev, History of the World, Orient BlackSwan, Delhi,2009.
- 4.Gooch V.P., History of Modern Europe.
- 5.Grant and Temperley, Europe in the 19th and 20 centuries.
- 6.Hazen, Modern Europe
- 7.Jain H. and K. Mathur, A History of the Modern World 1500 – 2000 A.D.,Jain Prakashan Mandir, Jaipur, 2014.
- 8.Rao B.V., World History (3rd edition) from early time to AD 2000, NewDawn Press INC, V.S.A. U.K.,India, 2006.

मराठी

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- २ कुलकर्णी .,देशपांडे ,आधुनिक जगाचा इतिहास ,(भाग १ व २ ,(स्नेहवर्धन प्रकाशन ,पुणे .
- ३ कुलकर्णी .,फडके ,आधुनिक युरोपचा इतिहास .
- ४ गो .कोलारकर शं .,आधुनिक युरोप .
- ५ गायकवाड .,कदम ,थोरात ,पाटील ,आधुनिक जगाचा इतिहास .
- ६ जी. जोशी पी .,विसाव्या शतकातील जगाचा इतिहास ,विद्या प्रकाशन ,नागपुर .
- ७ वैद्य सुमन .,आधुनिक जग , साईनाथ प्रकाशन ,नागपुर .
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Savitribai Phule Pune University, Pune
Proposed Syllabus in History for S.Y.B.A. (Credit System) from the academic Year 2020-21
Under the Faculty of Humanities
Discipline Specific Elective Course (DSE-2A) - 3 Credit
Semester -III - History of East Asia

Learning Objectives:

1. The course is designed to enable students to understand the history of Modern East Asia.
2. It will acquaint students with the notable events in contemporary Asia.
3. It will orient students to understand the economic transition in Asia during 20th century and the impact of all this on world politics.
4. It will enable students to understand the history of China and Japan.

Learning Outcomes:

1. It will enable students to develop the overall understanding of the Asian countries.
2. The students will get acquainted with the Communism in China & Imperialism of Japan.
3. It will enhance their perception of the developmental Policies of the Asian Countries.
4. It will enable students to understand the significance of China and Japan in the Modern World.

Pedagogy: Lectures/Visual presentation/ Role play/ Critical analysis/Assignments/Tests/Quiz/
e-learning

Unit I: China: From Nationalism towards Communism. 10

- a) Rise and Growth of Nationalism
- b) Yuan-ShiKai and Republic
- c) Chiang-Kai-Shek and National Government.
- d) Kuomintang-Communist Relation; Communist Revolution of 1949

Unit II: Development and Foreign Policy of Communist China. 12

- a) Agricultural Developments, Five Year Plan.
- b) Development in Science & Technology, Military
- c) Foreign Policy- India, and Taiwan

Unit III: Japanese Imperialism. 11

- a) Russia- Japan War (1904-05).
- b) Japan and the World War I.
- c) Washington Conference – Manchurian Crises.
- d) Japan and the World War II.

- a) General Mac Arthur and Reconstruction of Japan.
- b) Economic Development of Japan.
- c) Development in Science & Technology.

Reference Books

English

1. Bass Claud, Asia in The Modern World.
2. BernadL, Turkey Today, The Emergence of Modern Turkey.
3. Beasley W.G., The Modern History of Japan.
4. Buchana P.A., History of The Far East.
5. Choneaux, Jean – China – The Peoples Republic.
6. Fisher S.N., The Middle East.
7. North M., The History of Israel.

मराठी :

1. आंबेकर गो.वा ., आग्नेय आशियातील घडामोडी, साईनाथ प्रकाशन, नागपुर. .
2. देव प्रभाकर , आधुनिक चीनचा इतिहास (१८४०-१९५०) विद्या प्रकाशन, नागपुर.
3. देव पुजारी , पूर्व आशियाचा इतिहास – चीन व जपान, मंगेश प्रकाशन, नागपुर. .
4. गद्रे प्रभाकर , जपानचा इतिहास विद्या प्रकाशन, नागपुर. .
5. गाठाळ साहेबराव , आग्नेय आशियाचा इतिहास तीरुपति प्रकाशन, परभणि.
6. कुलकर्णी, देशपांडे , आधुनिक जगाचा इतिहास ,(भाग १ व २), स्नेहवर्धन प्रकाशन ,पुणे ..
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Savitribai Phule Pune University, Pune

Proposed Syllabus in History for SYBA (Credit System) from the Academic Year 2020-2021

Under the Faculty of Humanities

Skill Enhancement Courses (SEC) – (2 Credits)

Notes:

- 1. The University Grants Commission has made it compulsory for students to earn two credits from a Skill Enhancement Course (SEC) in each semester second year onwards.**
- 2. It is mandatory for the student to complete one Skill Enhancement Course (SEC) in each semester from Semester III to Semester VI.**
- 3. It must be noted that student has to choose any one of the four Skill Enhancement Courses (SEC) for each Semester.**
- 4. Each Skill Enhancement Course (SEC) will have two (2) credits only.**

Skill Enhancement Course (SEC-1A) – (2 Credits)

Semester III- 1) Brahmi Script

Course Objectives:

1. This paper is designed to introduce the students to the Brahmi Script, which is essential to understand the history of Early India.
2. It will enable students to read and understand the Brahmi Script and thus they will be able to
3. unfold Early Indian History.
4. It will get students acquainted with the primary sources such as Ashokan Pillars, some of the Buddhist texts, written in Brahmi script.

Course Outcome:

1. Students will learn to understand the Brahmi Script so as to understand important sources of the history of Early India.
2. They will be able to read and understand the Brahmi Script.
3. They will have an overall understanding of the history of Early India.

Course Content:

Unit. I Brahmi Script Introduction

05

- a) Difference between Language & Script.
- b) History of Brahmi script.
- c) Importance of Script

Unit. II Brahmi Script **10**

- a) Vowels
- b) Consonant
- c) Numbers

Unit. III Types of Brahmi - **10**

Variations of strokes in various period

- a) Ashokan (Maurya)
- b) Satavahana
- c) Kushana, Shaka
- d) Gupta etc.

Unit IV. Types of inscription -Rock cut Inscriptions **04**

- a) Copperplate
- b) Coins
- c) Manuscripts etc.

Unit V. Research Opportunities **01**

References:

1. Prachin Bharatiy Lipimala, Ozha Gaurishankar H. Munshiram Manoharlaal Publi., New Delhi, 1918, 1971
2. The Paleography of India, Ozha Gaurishankar H. Munshiram Manoharlaal Publi., New Delhi, 1918, 1971
3. Prachin Lipiyoki Kahani, Guanakar Mule, Rajakamal Publi. New Delhi., 1974
4. Sindhulipi Evam Bharat ki Anya lipiya, Padmakar Mishra, Sanpurnanand Sanskrut Visvavidyalaya, Varanasi,
5. 2002
6. Bharatiya Puralipi Vidya, Author- Dinesh Chandra Sarkar, translated by Krushnadatta Vajpayi,
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Proposed Syllabus in History for SYBA (Credit System) form the Academic Year 2020-2021

Under the Faculty of Humanities

Skill Enhancement Courses (SEC 1A) – (2 Credits)

Semester III- 2) Art and Architecture of Early India

(From 3000 B.C. to 12th Century A.D.)

Course Objectives:

1. This paper is designed to introduce the students to the emergence and development of art and architecture in early India.
2. It will enable students to understand the process of development of art and architecture in the early Indian history on the socio-religious and economic background.
3. It will get students acquainted with the emergence and changes in the styles of the art and architecture during the early India up to the 6th century B.C.E.

Course Outcome:

1. Students will get an overall understanding of the emergence and development of the art and architecture in Early India.
2. They will understand the emergence of the Pottery, Terracotta figures, Ornaments, Town Planning, preparation of seals and coins.
3. They will have an understanding of the art and architecture in early India.

Course Content:

Unit I Pre-Mauryan and Mauryan Art and Architecture 10

- a) The Indus Valley: Urban Planning, Great Bath, Seals, Dancing Girl
- b) Mauryan Period: Stupa, Ashokan Pillars, Caves, Pottery, Coins

Unit II Post-Mauryan Art and Architecture 05

- a) Rock-Cut Architecture
- b) Stupas, Chaityas, Vihars and Temples

Unit III Gupta and Harsha's Times 05

- a) Gandhar Style
- b) Mathura Style
- c) Temples

- a) Rock-Cut Architecture: Ajanta, Ellora
- b) Temple Architecture: Nagar Style, Dravid Style.

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Under the Faculty of Humanities

Skill Enhancement Courses (SEC-1A) – (2 Credits)

Semester III -3) Digital Documentation

Course Objectives:

1. This paper is designed to introduce the students to the Digital Documentation.
2. It will enable students to prepare files in various formats; to scan photos, documents and to edit videos, images.
3. It will get students acquainted with the process of online archiving.

Course Outcome:

1. Students will get an overall understanding of the process of digital documentation.
2. They will learn to scan photos, documents and to edit videos, images.
3. They will be able to prepare documents in various digital formats.

Course Content:

Unit I Digital Document Creation	05
a) File Formats and conversion	
b) Scanning any Physical Document	
c) Converting Text Image to Text File	
Unit II Image and Video Editing	10
a) Inserting Graphs, Charts, text into image	
b) Creating Flyers, audio books	
c) Trimming Video (at any ends)	
d) Sound editing of video (to mute, add sound, Music)	
e) Visual editing of Video (lights, content, slideshows)	
Unit III Online Archiving	05
a) Conceptual Understanding	
b) How Online Clouds work	
c) Data Security and Storage	

- a) Visiting a Historical Place and to Create a Video documentary
- b) Creating a Slideshow (with video/ audio editing) of any part of the syllabus
- c) Creating audio books of any favorite topic related to History

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Under the Faculty of Humanities

Skill Enhancement Courses (SEC 1A) – (2 Credits)

Semester III-4) Tourism Management

Course Objectives:

1. This paper is designed to introduce the students to Tourism Management.
2. It will get students acquainted with all the processes of Tourism Industry to work with great potential.
3. It will enable students to seek self-employment by starting their own tourism related business.

Course Outcome:

1. Students will get an overall understanding of the process of Tourism Management.
2. They will learn to work in the Tourism Management with great potential.
3. They will be able to seek self-employment by starting their own tourism related business.

Course Content:

Unit I Tourism	05
a) Definition and Nature of Tourism	
b) Important Components	
c) Topology of Tourism	
Unit II Tourism recent trends	04
a) Concept of Domestic and International Tourism	
b) Tourism Recent Trends.	
Unit III Tourism as Industry	06
a) Tourism as an Industry	
ii) Visitor, Tourist, Excursionist	
Unit IV Tourism in India and Impact	10
a) Growth and development of tourism in India	
b) Economics and Social impact	
c) Physical and environmental impact	
Unit V Filed Trip and Report Writing	05

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Proposed Syllabus in History for S.Y.B.A. (Credit System) from the academic Year 2020-21

Under the Faculty of Humanities

Core Course-I (CC- 2C)

Semester -IV- History of the Marathas: (1707-1818) - 3 Credit

Learning Objectives:

1. To understand changed nature of Maratha Polity during the Peshwa Period.
2. To examine the dynamics of Maratha Confederacy and reciprocity.
3. To examine role of Marathas and regionality in National politics of 18th Century India.
4. To study administrative system, society and economy of the Peshawa period

Learning Outcome:

1. Students will be able to analyze the Marathas policy of expansionism and its consequences.
2. They will understand the role played by the Marathas in the 18th century India.
3. They will be acquainted with the art of diplomacy in the Deccan region.
4. It will help to enrich the knowledge of the administrative skills and profundity of diplomacy.

Pedagogy: Lectures/Visual presentation/ Role play/ Critical analysis/Assignments/Tests/Quiz/
e-learning

Unit-I: Consolidation and Expansion of the Maratha Power 12

- a) Conflict between Maharani Tarabai and Chhatrapati Shahu Maharaj
- b) Rise of the Peshwas: Balaji Vishwanath- Chauthai and Sardeshmukhi
- c) Peshwa Bajirao I: South and North Expedition

Unit-II: Strengthening of the Maratha Power 10

- a) Peshwa Balaji Bajirao (Nanasaheb)
- b) Third Battle of Panipat: Causes and Consequences
- c) Causes of the defeat of the Marathas

Unit-III: Post Panipat Revival and Downfall 11

- a) Peshwa Madhavrao I
- b) Barbhai Council: Role of Mahadji Shinde and Nana Phadanvis
- c) Downfall of Maratha Power

- a) Maratha Confederacy
- b) **Economic Condition**
- c) Society: **Caste System and Position of Women**

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2. Ballhatchet, Kenneth, Social Policy and Social Change in Western India, 1817 – 1830, Oxford University Press, 1957.
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Proposed Syllabus in History for S.Y.B.A. (Credit System) from the academic Year 2020-21

Under the Faculty of Humanities

Discipline Specific Elective Course (DSE-1B) - 3 Credit

Semester -IV-Medieval India: Mughal Period

Course objectives:

1. Produce well researched written work that engages with both primary sources and the secondary literature.
2. To learn the Mughal ruler and incidents regarding Deccan policies.
3. To understand the analytical studies of Medieval South India
4. Maps- important centers in Mughal Empire under Akbar and Aurangzeb

Course outcome:

1. Draws comparisons between policies of different rulers.
2. Understanding Role of Akbar in the consolidation of Mughal rule in India.
3. Understand Aurangzeb's conflict with Rajputas, Maratha and weakening Mughals age.
4. Analyses factors which led to the emergence of new religious ideas and movements (bhakti and Sufi)

Pedagogy: Lectures/Visual presentation/ Role play/ Critical analysis/Assignments/ Tests/Quiz/Maps/Field visit/ Group Discussion/ Seminar /use of e-learning

Unit I: Foundation of Mughal Empire **10**

- a) Sources of Historiography of Mughal Period
- b) Babur: The Foundation of Mughals Empire
- c) Humayun Struggle with Sher Shah Suri. Sher Shah: administrative reforms

Unit II: The Consolidation of the Mughal Empire **15**

- a) Akbar: Extent of the Mughal Empire, Mansabdari System, Religious Policy
- b) Expansion: Deccan Policy of Jahangir and Shah Jahan
- c) The reign of Aurangzeb: Rajput Policy, Ahom conflicts, Sikh Policy, Deccan expeditions

Unit III: Administrative systems **10**

- a) Central and Provincial Administration
- b) Revenue System
- c) Judicial System, Military administration

Unit IV: Economy, Society and Culture

10

- a) Economy: Agriculture, trade and industry
- b) Society: Caste system, position of women, Bhakti and Sufi movement.
- c) Culture: Science and Technology.

Reference Books: English

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Proposed Syllabus in History for S.Y.B.A. (Credit System) from the academic Year 2020-21
Under the Faculty of Humanities
Discipline Specific Elective Course (DSE-2 B) - 3 Credit
Semester -IV-Glimpses of the Modern World - Part II

Learning Objectives:

1. This paper is designed to introduce the students to the political history of the Modern World.
2. It will enable students to study remarkable historical developments in the various countries including India, which had a significant impact on almost all over the Modern World.
3. It will enable students to understand the significant impact of the modern concepts such as Dictatorship, Cold War, Nationalism, Communism, Imperialism, Polarization, etc.
4. It will get students acquainted with the major nationalist movements, the World War II and its consequences, the Cold War and its Consequences.

Learning Outcomes:

1. It will enable students to develop the overall understanding of the Modern World.
2. The students will get acquainted with the major nationalist movements, the World War II and its consequences, the Cold War and its Consequences.
3. It will enhance their overall perception of the history of the Modern World.
4. It will enable students to understand the significance of the strategic political developments in the Modern World.

Pedagogy: Lectures/Visual presentation/ Role play/ Critical analysis/Assignments/Tests/Quiz/
e-learning

Unit I. Nationalist Movements in Asia and Africa **12**

- a) Dr. Sun-Yet-Sen
- b) **Mahatma Gandhi** (Non-Cooperation Movement, Civil Disobedience Movement, Quit India Movement)
- c) **Dr. Nelson Mandela**

Unit II. Rise of Dictatorship **12**

- a) Italy - Mussolini
- b) Germany – Hitler
- c) Turkestan - Kemal Pasha
- d) Militarism in Japan

Unit III. World War II and the Rise of World Power

10

- a) World War II - Causes and Consequences
- b) United Nations Organization - Structure and Functions
- c) The Rise of the World Powers – U.S.A. and U.S.S.R.

Unit IV. Cold War and Third World

11

- a) Cold War: Causes, Nature and Course
- b) Third World: Non-Alignment Movement
- c) End of the Cold War and Disintegration of U.S.S.R.

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5. Grant and Temporally, Europe in the 19th and 20th centuries.
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मराठी

१. आचार्य धनंजय , विसाव्या शतकातील जग , श्री साईनाथ प्रकाशन , नागपुर.
२. कुलकर्णी , देशपांडे , आधुनिक जगाचा इतिहास ,(भाग १ व २), स्नेहवर्धन प्रकाशन , पुणे.
३. कुलकर्णी , फडके , आधुनिक युरोपचा इतिहास.
४. कोलारकर शं. गो , आधुनिक युरोप.
५. गायकवाड , कदम , थोरात , पाटील , आधुनिक जगाचा इतिहास .
६. जोशी पी .जी , विसाव्या शतकातील जगाचा इतिहास , विद्या प्रकाशन , नागपुर .
७. वैद्य सुमन , आधुनिक जग , साईनाथ प्रकाशन , नागपुर .
८. वैद्य सुमन , कोठेकर शांता , आधुनिक जग , साईनाथ प्रकाशन , नागपुर.

Savitribai Phule Pune University, Pune
Proposed Syllabus in History for S.Y.B.A. (Credit System) from the academic Year 2020-21
Under the Faculty of Humanities
Discipline Specific Elective Course (DSE-2 B) - 3 Credit
Semester -IV- History of West Asia

Learning Objectives:

1. The course is designed to enable students to understand the history of Modern East Asia.
2. It will acquaint students with the notable events in contemporary Asia.
3. It will orient students to understand the economic transition in Asia during 20th century and the impact of all this on world politics.
4. It will enable students to understand the history of West Asian countries.

Learning Outcomes:

1. It will enable students to develop the overall understanding of the West Asian countries.
2. The students will get acquainted with the modernization of Turkestan, Arab Nationalism and the Arab-Israel Conflict.
3. It will enhance their perception of the developmental policies of the Asian Countries.
4. It will enable students to understand the significance of the West Asian countries in the Modern World.

Pedagogy: Lectures/Visual presentation/ Role play/ Critical analysis/Assignments/Tests/Quiz/
e-learning

Unit I: Modern Turkestan.

12

- a) Young Turkey Movement.
- b) Turkestan and World War I
- c) Kemal Pasha and Modernization of Turkestan.

Unit II: Israel

12

- a) Zionist Movement.
- b) Balfour declaration.
- c) Rise of Israel.
- d) Arab Israel conflict.

Unit III: Rise of Arab Nationalism.**08**

- a) General Nasser and the Suez Crises.
- b) Saudi Arabia: Wahhabi Movement and Achievements of Ibn Saud.

Unit IV: Iran and Iraq**13**

- a) Iran: Achievement of Reza shah Pahlavi
- b) Iran and World War II
- c) Oil Diplomacy
- d) Iraq: Rise of Rashid Ali
- e) Iraq- Iran Conflict
- f) Gulf War.

Reference -**English books**

1. Bass Claud, Asia in the Modern World.
2. Bernad L, Turkey Today, The Emergence of Modern Turkey.
3. Beasley W.G., The Modern History of Japan.
4. Buchana P.A., History of The Far East.
5. Choneaux, Jean – China – The Peoples Republic.
6. Fisher S.N., The Middle East.
7. North M., The History of Israel.

मराठी :

1. आंबेकर गो.वा ., आग्नेय आशियातील घडामोडी, साईनाथ प्रकाशन, नागपुर. .
2. देव प्रभाकर , आधुनिक चीनचा इतिहास (१८४०-१९५०) विद्या प्रकाशन, नागपुर.
3. देव पुजारी , पूर्व आशियाचा इतिहास – चीन व जपान, मंगेश प्रकाशन, नागपुर. .
4. गद्रे प्रभाकर , जपानचा इतिहास विद्या प्रकाशन, नागपुर. .
5. गाठाळ साहेबराव , आग्नेय आशियाचा इतिहास तीरुपति प्रकाशन, परभणि.
6. जोशी पी .जी , विसाव्या शतकातील जगाचा इतिहास , विद्या प्रकाशन , नागपुर .
7. गाठाळ एस .एस – आधुनिक चीनचा इतिहास (१८४० ते १९५०) तीरुपति प्रकाशन, परभणि.

Savitribai Phule Pune University, Pune

Proposed Syllabus in History for SYBA (Credit System) form the academic Year 2020-2021

Under the Faculty of Humanities

Skill Enhancement Course (SEC 2B) – (2 Credits)

Semester IV- 5) Modi Script

Course Objectives:

1. This paper is designed to introduce the students to the Modi Script.
2. It will get students acquainted with details of the Modi Script.
3. It will enable students to understand Maratha History in detail.

Course Outcome:

1. Students will get an overall understanding of the Modi Script.
2. They will be able to know the history of the Marathas.
3. They will be able to read and write in Modi Script.

Course Content:

Unit.I Modi Script Introduction	10
Modi Script – Writing & Reading	
i) Vowels	
ii) Consonant	
iii) Numbers	
Unit.II A. Kalaganana –	06
i) Hindu	
ii) Muslim	
B. Anewari Reghi Hisheb	04
Unit. III Reading practice	06
i) Short Forms	
ii) Farasi words	
Unit. IV Archives & Types of Documents, Research Opportunities	04

Reference books:

1. Modi Lipi- Prashikshan va Saraavpustika, Maharashtra Purabhilekhagar Sanchalanalaya, Govt. of Maharashtra, 2007,2008, 2012
2. Prachin Bharatiy Lipimala, OzhaGaurishankar H. MunshiramManoharlaal Publi., New Delhi, 1918.
3. The Palaeography of India, OzhaGaurishankar H. MunshiramManoharlaal Publi., New Delhi,1918.
4. Mod VachanAaniLekhan ,Valinbe Ganesh R., DhavalePrakashana, Mumbai, 1951, 1953, 2005,2009
5. Bharatiya Lipinche Maulik Eakarup – Pandit GanapatishastriHebbar published by Maharashtra Rajya Sahitya Ani Sanskruti Mandal.1988
6. Chala Shikuya Modi Aapan., Mhatre Krushnaji, Modi LipiShikshan Mandal, Mumbai, 1993, 2003,2009
7. Sahaj sopi Modi Lipi, Tilak Shreekrushna L., Vyasa creation, Thane
8. Sopi Modi Patre, Lawate Mandar & Soman Bhasvati, Adijit Pub. Pune, 2013
9. Shivachhatrapatinche Patre, Vol. I & II, Kulkarni Anuradha, Param Mitra, 2011
10. Modi Lipi , Mali Navinkumar,
11. Tumhich Modi Shika, Kulkarni M.R. , Diamond Publi, Pune

Savitribai Phule Pune University, Pune

Proposed Syllabus in History for SYBA (Credit System) form the Academic Year 2020-2021

Under the Faculty of Humanities

Skill Enhancement Courses (SEC 2B) – (2 Credits)

Semester IV-6) Medieval Indian Arts and Architecture (1206 To 1857)

Course Objectives:

1. This paper is designed to introduce the students to the Art and Architecture during the Medieval India.
2. It will enable students to understand the impact of the Persia on the Mughal Art and Architecture.
3. It will get students acquainted with the development of Indo-Persian style of Painting.

Course Outcome:

1. Students will get an overall understanding of the development of the Medieval Art and Architecture.
2. They will understand the changing patterns of the Art and Architecture during the Medieval India.
3. They will have an understanding of the impact of Persian Art on Islamic Art and Architecture in Medieval India.

Course Content:

Unit I Sultanate Art & Architecture

10

- a) Arcuate Technique (Arches domes)
- b) Qubbat-ul-Islam Mosque
- c) Tomb of Iltumish
- d) Qutbminar
- e) Alai Darwaza

Unit II Deccan Art & Architecture

05

- a) Bahamani
- b) Vijaynagar (Hampi)

Unit III Sur Art & Architecture

03

- a) Qila-i-Kuhna Mosque
- b) Tombs (Hasan Sur and Sher Shah)

Unit IV Mughal Art & Architecture

12

- a) Akbar: The Tomb of Humayan, Agra Fort, Fatehpur Sikri, Allahabad and Lahor forts
- b) Jahangir: Sikandara, Tomb of Itmad-ud-Daula
- c) Shahjahan: The Taj Mahal, Red Fort, Jama Masjid
- d) Mughal Paintings
- e) Regional Art & Architecture

Reference Books:

- 1) Percy Brown: Indian Architecture (Islamic period), Mumbai 1997
- 2) Percy Brown: Indian Painting, New Delhi, 1965
- 3) R.Nath : History of Sultanate Architecture, Delhi, 1978
- 4) Catherine B. Asher: The New Cambridge History of India, Mughal Architecture.
- 5) Satish Grover: The Architecture of India (Islamic Period) Delhi, 1981
- 6) Ebba Koch: The Mughal Architecture: An outline of its History and Development, Primus Books, Delhi, 2014
- 7) S.P.Verma : Art and Material Culture in the Paintings of Akbars Court, Delhi 1978
- 8) K.Khandalwal : Documents on Indian Painting, Bombay 1969
- 9) M.C.Beach : The Cambridge History of India :Mughal and Rajput Paintings, Cambridge University Press 1992
- 10) Surendra Sahai : Indian Architecture, Islamic period
- 11) Z.A.Desai : Indo-Islamic Architecture, Publication Division, Ministry of Information and Broadcasting, Govt. of India ,Delhi 1970
- 12) Daljeet : Mughals and Deccan Paintings, From the collection of National Museum, New Delhi 1999
- 13) Ziauddin Desai : Indo-Islamic Architecture, Delhi 1970
- 14) Subhash Parihar : Some aspect of Indo-Islamic Architecture, Delhi 1999
- 15) Abha Narain Lambah & Alka Patel : The Architecture of the Indian Sultanates, Marg publication, 2006

Savitribai Phule Pune University, Pune

Proposed Syllabus in History for SYBA (Credit System) form the Academic Year 2020-2021

Under the Faculty of Humanities

Skill Enhancement Courses (SEC) – (2 Credits)

Semester IV- 7) Popular Indian Culture

Course Objectives:

1. This paper is designed to introduce the students to the Popular Culture in India.
2. It will enable students to understand Visual Arts, Performances, Audio-Visual expressions, Fairs, Festivals and Rituals.
3. It will get students acquainted with the development of Popular Indian Culture.

Course Outcome:

1. Students will get an overall understanding of the the Popular Culture in India.
2. They will understand the Visual Arts, Performances, Audio-Visual expressions, Fairs, Festivals and Rituals.
3. They will have an understanding of the importance of Popular Indian Culture.

Course Content:

Unit I Introduction: 04

- a) Definition Popular Culture
- b) Popular Culture and High Culture

Unit II Visual Expressions and Performance: 06

- a) Visual Expressions - Folk Art Calendar Art Photography
- b) Performance – Theatre, Music, Folktales, Songs, Swang and Nautanki

Unit III: Audio-Visual Expression: 10

- a) Indian Cinema, Television and Internet
- b) Influence of National Struggle for Independence (1930s & 1940s)
- c) Idealized Nationalism (1950s)
- d) Disillusionment and Anti-Establishment Mood (1970s & 1980s)
- e) Impact on Social Media

- a) Disentangling Mythological Stories
- b) Patronage
- c) Regional Variations

A visit to an exhibition/fair/festival is an essential part of this course.

Reference Books:

1. Dissanayake, W. and K.M. Gokul Singh. *Indian Popular Cinema*. London: Trentham Books, 2004.
2. Oberoi, P. *Freedom and Destiny: Gender, Family and Popular Culture in India*. Delhi, 2009.
3. Princy, C. *Camera Indica: The Social Life of Indian Photographs*. Chicago, 1998.
4. Storey, J. *Cultural Theory and Popular Culture*. London, 2001.
5. Rag, P. *Dhuno ke Yatri*, New Delhi: Rajkamal, 2006.
6. Ramanujan, A.K. *Folktales from India: A Selection of Oral Tales From Twenty-two Languages*. USA: Random House, 1997. (Introduction)
7. Ramaswamy, V. "Women and the 'Domestic' in Tamil Folk Song." In *From Myths to Markets: Essay on Gender*, edited by Kumkum Sangari and Uma Chakravarti. Shimla: Manohar and Indian Institute of Advanced Study, 1999.
8. Singh, L., ed. *Theatre in Colonial India: Playhouse of Power*. New Delhi: OUP, 2009.

Savitribai Phule Pune University, Pune

Proposed Syllabus in History for SYBA (Credit System) form the Academic Year 2020-2021

Under the Faculty of Humanities

Skill Enhancement Courses (SEC 2B) – (2 Credits)

Semester IV- 8) Travel Agency and Tour Business

Course Objectives:

1. This course is designed to create awareness about Travel Agency, Education and Job opportunities among the students.
2. It aims in training students on both Theory and Practical aspect and Travel Agency and creating professionals for tourism industry.
3. It will enable student to seek self-employment by starting their own Travel Agency related to business.

Course Outcome:

1. The students will understand the details of the business of Travel Agency.
2. They will be trained on both Theory and Practical aspect and Travel Agency and creating professionals for Tourism Industry.
3. It will enable student to seek self-employment by starting their own Travel Agency related to business.

Course Content:

Unit I. Concept of Travel Agency **06**

- a) Definition of travel agency
- b) Main function of travel agency
- c) Organizational Structure of a travel agency

Unit II. Role of Travel Agent **08**

- a) Types of Travel Agents
- b) Responsibilities of Travel Agent
- c) Procedure for Travel Agent and Tour Operators in India
- d) Online Travel Agency

Unit III. Role of Travel Agency**10**

- a) Role of Indian Airlines, Indian Railway
- b) Role of different Tour Companies
- c) Tour Packages and Accommodation

Unit IV. Field Visit and Report Writing**06****Reference Books:**

1. Foster D.L. The Business of travel agency Operation and tour Management
2. Merissen Jome W, Travel Agent and Tourism
3. Howel David H, Principals and Methods of Scheduling Reservations
4. J.M.S. Negi., Travel Agency & Tour Operations
5. Agarwal Surinder, Travel Agency Managements
6. Bhatia A.K, Professional Travel Agency Management
7. Bhatia A.K, Tourism Development
8. Pran Nath Seth (1997), 'Successful Tourism Management', Vikas Publishing House (P) Ltd., New Delhi, pp. 329..
9. Willaim Cordve, Travel in India
10. National Publisher ,The World of Travel
11. Stephen F. Witt and Luiz Moutinho (1995), 'Tourism Marketing and Management Hand Book', Prentice Hall, London, pp 3.
12. Webstar Susan, Group Travel Operating Procedure
13. Roger Carter (1990), 'Tourism – Exercise and Activities', Hodder & Sloughton, London.
14. Sharma K.K. (1991), 'Tourism in India', Classic Publishing House, New Delhi.



सावित्रीबाई फुले पुणे विश्वविद्यालय, पुणे
Savitribai Phule Pune University, Pune

हिंदी पाठ्यक्रम
Hindi Syllabus

संबंध महाविद्यालयों के लिए
For Affiliated colleges

बी. ए. तृतीय वर्ष कला
(पंचम एवं षष्ठ अयन)
Fifth & Sixth Semester

शैक्षिक वर्ष
Academic year

2021-2022

अनुक्रम
बी. ए. तृतीय वर्ष कला
पंचम एवं षष्ठ अयन (Fifth & Sixth Semester)
शैक्षिक वर्ष 2021-22 से

कोर्स नं.	पंचम एवं षष्ठ अयन	क्रेडिट	पृष्ठ क्रमांक
बी. ए. तृतीय वर्ष कला			
Core Course -1E (G-3)	कथेतर विधाएँ (पंचम अयन)	3	
Core Course -1F (G-3)	गज़ल विधा और पत्राचार (षष्ठ अयन)	3	
बी. ए. तृतीय वर्ष कला – वैकल्पिक प्रयोजनमूलक हिंदी			
Core Course -1E (G-3)	प्रयोजनमूलक हिंदी : कार्यालयीन व्यवहार (पंचम अयन)	3	
Core Course -1F (G-3)	प्रयोजनमूलक हिंदी : माध्यम लेखन (षष्ठ अयन)	3	
बी. ए. तृतीय वर्ष कला (हिंदी विशेष)			
Discipline Specific Elective DSE 1 C (S3)	हिंदी साहित्य का इतिहास (आदिकाल, भक्तिकाल, रीतिकाल का सामान्य परिचय) (पंचम अयन)	3+1	
Discipline Specific Elective 2 C (S4)	भाषाविज्ञान (सामान्य परिचय) (पंचम अयन)	3+1	
Discipline Specific Elective 1 D (S3)	हिंदी साहित्य का इतिहास (आधुनिक काल सामान्य परिचय) (षष्ठ अयन)	3+1	
Discipline Specific Elective 2 D (S4)	हिंदी भाषा और उसका विकास (षष्ठ अयन)	3+1	
बी. ए. तृतीय वर्ष कला			
Skill Enhancement Course 2 C	पटकथा लेखन (पंचम अयन)	2	
Skill Enhancement Course SEC 2 D	साहित्य और फिल्मांतरण (षष्ठ अयन)	2	

बी. ए. तृतीय वर्ष कला (शैक्षिक वर्ष 2021-2022 से)

पंचम अयन (Fifth Semester)

पाठ्यचर्या : Core Course – 1E (G3) पाठ्यचर्या : कथेतर विधाएँ

3 कर्मांक (3 Credit)

उद्देश्य :

1. छात्रों को संस्मरण साहित्य से अवगत करना।
2. छात्रों को रेखाचित्र साहित्य से अवगत करना।
3. छात्रों को मूल्यांकन की दृष्टि का विकास करना।
4. सभा-इतिवृत्त लेखन कौशल वृद्धि का विकास करना।
5. वार्ता-लेखन कौशल दृष्टि निर्माण करना।

इकाई	पाठ्यविषय	तासिकाएँ
इकाई- I	संस्मरण : 1. शरत् : एक याद – अमृतलाल नागर 2. प्रेमचंद : एक स्मरण – महादेवी वर्मा 3. हम हशमत – कृष्णा सोबती 4. त्यागमूर्ति 'निराला' – शिवपूजन सहाय	15 तासिकाएँ
इकाई- II	रेखाचित्र : 1. पीपल – सच्चिदानंद हीरानंद वात्स्यायन 'अज्ञेय' 2. डबली बाबू – विनय मोहन शर्मा 3. अमृत के स्रोत – जगदीश माथुर। 4. रजिया – रामवृक्ष 'बेनीपुरी'	15 तासिकाएँ
इकाई-III	पाठ्यपुस्तकेत्तर पाठ्यक्रम : 1. सभा-इतिवृत्तलेखन 2. वार्ता-लेखन	15 तासिकाएँ

पूर्णांक : 100

आंतरिक मूल्यांकन : 30 अंक (लघुत्तरी परीक्षा- 20 अंक, शोध परियोजना/समूह परियोजना/मौखिक प्रस्तुति/क्षेत्रीय अध्ययन- 10 अंक)

सत्रांत परीक्षा : 70 अंक

सत्रांत परीक्षा – प्रश्नपत्र का प्रारूप :

समय : 3 घंटे

अंक : 70

- प्रश्न 1. इकाई – I पर चार में से दो प्रश्न : 14 अंक
- प्रश्न 2. इकाई – II पर चार में से दो प्रश्न : 14 अंक
- प्रश्न 3. इकाई – I और II पर (दो + दो) चार में से दो प्रश्न : 14 अंक
- प्रश्न 4. अ) इकाई – I पर दो में से एक संदर्भ : 14 अंक
ब) इकाई – II पर दो में से एक संदर्भ :
- प्रश्न 5. क) सभा इतिवृत्तलेखन दो में से एक प्रश्न : 14 अंक
ख) वार्ता लेखन दो में से एक प्रश्न :

संदर्भ ग्रंथ :

1. पाठ्यपुस्तक : संपादन : हिंदी अध्ययन मंडल – राजकमल प्रकाशन, नई दिल्ली।
2. हिंदी रेखाचित्र – डॉ. हरवंशलाल शर्मा
3. यात्रा साहित्य का उद्भव और विकास – डॉ. सुरेंद्र माथुर
4. स्वातंत्र्योत्तर हिंदी यात्रा साहित्य – डॉ. ईरेश स्वामी

बी. ए. तृतीय वर्ष कला (शैक्षिक वर्ष 2021-2022 से)

षष्ठ अयन (Sixth Semester)

पाठ्यचर्या : **Core Course – 1F (G3)** पाठ्यचर्या : गज़ल विधा और पत्राचार

3 कर्मांक (3 Credit)

उद्देश्य :

1. छात्रों को गज़ल साहित्य से अवगत करना।
2. छात्रों को गज़लकार के व्यक्तित्व से अवगत करना।
3. छात्रों में मूल्यांकन की दृष्टि का विकास करना।
4. छात्रों को सरकारी पत्र लेखन से अवगत करना।

इकाई	पाठ्यविषय	तासिकाएँ
इकाई-I	<p>‘साये में धूप’ (गज़ल संग्रह) – दुष्यंत कुमार</p> <ol style="list-style-type: none"> 1. गज़ल : अर्थ, परिभाषा, तत्व। 2. दुष्यंत कुमार का साहित्यिक परिचय। <p>गज़ल रचनाएँ : (साये में धूप)</p> <ol style="list-style-type: none"> 1. कहाँ तो तय था चिरागाँ हरेक घर के लिए, कहाँ चिराग मयस्सर नहीं शहर के लिए... 2. कैसे मंजर सामने आने लगे हैं, गाते-गाते लोग चिल्लाने लगे हैं... 3. इस नदी की धार में ठंडी हवा आती तो है, नाव जर्जर ही सही, लहरों से टकराती तो है... 4. भूख है तो सब्र कर, रोटी नहीं तो क्या हुआ, आजकल दिल्ली में है जेरे बहस ये मुद्दा... 5. कहीं पे धूप की चादर बिछाके बैठ गए, कहीं ये शाम सिरहाने लगा के बैठ गए... 6. चाँदनी छत पे चल रही होगी, अब अकेली टहल रही होगी... 	15 तासिकाएँ
इकाई-II	<p>गज़ल रचनाएँ : (साये में धूप)</p> <ol style="list-style-type: none"> 1. हो गई है पीर पर्वत-सी पिघलनी चाहिए, इस हिमालय से कोई गंगा निकलनी चाहिए... 2. आज सड़कों पर लिखे हैं सैकड़ों नारे न देख, घर अँधेरा देख तू, आकाश के तारे न देख... 3. मेरे गीत तुम्हारे पास सहारा पाने आएँगे, मेरे बाद तुम्हें ये मेरी याद दिलाने आएँगे... 4. ये सच है कि पाँवों ने बहुत कष्ट उठाए, पर पाँव किसी तरह राहों पे तो आए... 5. बाढ़ की संभावनाएँ सामने हैं, और नदियों के किनारे घर बने हैं... 	15 तासिकाएँ

	6. रोज़ जब रात को बारह का गजर होता है, यातनाओं के अँधेरे में सफ़र होता है... 7. एक कबूतर, चिट्ठी लेकर, पहली-पहली बार उडा, मौसम एक गुलेल लिये था पट से नीचे आन गिरा... 8. मैं जिसे ओढ़ता-बिछाता हूँ वो गज़ल आपको सुनाता हूँ... 9. अब किसी को भी नज़र आती नहीं कोई दरार, घर की हर दीवार पर चिपके हैं इनते इश्तहार... 10. तुम्हारे पाँवों के नीचे कोई जमीन नहीं, कमाल ये है कि फिर भी तुम्हें यकीन नहीं...	
इकाई-III	पाठ्यपुस्तकेतर पाठ्यक्रम : सरकारी पत्रलेखन : 1. सरकारी पत्र, 2. अर्द्ध सरकारी पत्र 3. कार्यालय ज्ञापन 4. परिपत्र 5. कार्यालय आदेश	15 तासिकाएँ

पूर्णांक : 100

आंतरिक मूल्यांकन : 30 अंक (लघुत्तरी परीक्षा- 20 अंक, शोध परियोजना/समूह परियोजना/मौखिक प्रस्तुति/क्षेत्रीय अध्ययन- 10 अंक)

सत्रांत परीक्षा : 70 अंक

सत्रांत परीक्षा – प्रश्नपत्र का प्रारूप :

(शैक्षिक वर्ष 2021-22 से आगे)

समय : 3 घंटे

अंक : 70

प्रश्न 1. इकाई – I पर चार में से दो प्रश्न :

14 अंक

प्रश्न 2. इकाई – II पर चार में से दो प्रश्न :

14 अंक

प्रश्न 3. इकाई – I और II पर (दो + दो) चार टिप्पणी में से दो प्रश्न :

14 अंक

प्रश्न 4. अ) इकाई – I पर दो में से एक संदर्भ :

14 अंक

ब) इकाई – II पर दो में से एक संदर्भ :

प्रश्न 5. पत्रलेखन चार में से दो प्रश्न :

14 अंक

संदर्भ ग्रंथ :

1. साये में धूप (गज़ल संग्रह) – दुष्यंत कुमार
2. प्रयोजनमूलक हिंदी – डॉ. विनोद गोदरे
3. प्रयोजनमूलक हिंदी – डॉ. तेजपाल चौधरी
4. प्रयोजनमूलक हिंदी आधुनातन आयाम – डॉ. अंबादास देशमुख
5. दुष्यंत कुमार और उनका काव्य – डॉ. सुरेश सालुंके
6. व्यवहारोपयोगी एवं कामकाजी हिंदी – डॉ. अनंत केदारे।

बी. ए. तृतीय वर्ष कला (शैक्षिक वर्ष 2021-2022 से)

पंचम अयन (Fifth Semester) वैकल्पिक

पाठ्यचर्या : Core Course – 1E (G3) वैकल्पिक पाठ्यचर्या : प्रयोजनमूलक हिंदी कार्यालयीन व्यवहार

3 कर्मांक (3 Credit)

उद्देश्य :

1. छात्रों को कार्यालयीन कार्यपद्धति की जानकारी देना।
2. छात्रों को सरकारी पत्राचार के प्रकारों, स्वरूप, भाषा शैली आदि की जानकारी देना।
3. छात्रों को क्षेत्र-कार्य प्रणाली से परिचित कराना।
4. छात्रों को राजभाषा हिंदी का संवैधानिक प्रावधान, हिंदी प्रचार प्रसार कार्य से परिचित करना।
5. छात्रों को अनुवाद प्रक्रिया से अवगत कराना।

इकाई	पाठ्यविषय	तासिकाँ
इकाई-I	भाषा के विविध रूप : बोली, भाषा, मानक भाषा, राजभाषा, राष्ट्रभाषा, संपर्क भाषा, अंतर्राष्ट्रीय भाषा।	15 तासिकाँ
इकाई-II	कार्यालयीन हिंदी पत्राचार : अ) सरकारी पत्र की विशेषताएँ : शुद्धता, सरलता, निर्व्यक्तिकता, तथ्यों में स्पष्टता, असंदिग्धता, संक्षिप्तता, क्रमबद्धता, शिष्टता, प्रभावोत्पादकता, वैशिष्ट्यपूर्ण भाषा आदि। आ) सरकारी पत्रों के विविध रूप और प्रकार – सरकारी पत्र, अधिसूचना, प्रेस विज्ञप्ति, निविदा, परिपत्र, कार्यालय आदेश, आवेदन पत्र।	15 तासिकाँ
इकाई-III	अनुवाद : अनुवाद प्रक्रिया तथा कार्यालयीन अनुवाद अ) अनुवाद स्वरूप, महत्व : अनुवाद प्रक्रिया, हिंदी में अनुवाद का महत्व, सूचना तकनीक में अनुवाद का महत्व। आ) अनुवादक के गुण। इ) कार्यालयीन अनुवाद (100 शब्दों परिच्छेद, अंग्रेजी अथवा मराठी से हिंदी अनुवाद)	15 तासिकाँ

पूर्णांक : 100

आंतरिक मूल्यांकन : 30 अंक (लघुत्तरी परीक्षा- 20 अंक, शोध परियोजना/समूह परियोजना/मौखिक प्रस्तुति/क्षेत्रीय अध्ययन- 10 अंक)

सत्रांत परीक्षा : 70 अंक

सत्रांत परीक्षा – प्रश्नपत्र का प्रारूप :

(शैक्षिक वर्ष 2021–22 से आगे)

समय : 3 घंटे

अंक : 52

प्रश्न 1. इकाई – I पर चार में से दो प्रश्न :

14 अंक

प्रश्न 2. इकाई – II पर चार में से दो प्रश्न :

14 अंक

प्रश्न 3. इकाई – III पर चार में से दो प्रश्न :

14 अंक

प्रश्न 4. इकाई – I, II, III (दो + दो + दो) छह टिप्पणी में से तीन प्रश्न :

21 अंक

प्रश्न 5. कार्यालयीन अनुवाद 100 शब्दों का परिच्छेद :

07 अंक

संदर्भ ग्रंथ :

1. राजभाषा हिंदी – डॉ. कैलाशचंद्र भाटिया
2. राजभाषा हिंदी – डॉ. भोलनाथ तिवारी
3. प्रयोजनमूलक हिंदी – रवींद्रनाथ तिवारी
4. राष्ट्रभाषा हिंदी : समस्याएँ और समाधान – डॉ. देवेंद्रनाथ शर्मा
5. राजभाषा हिंदी : विवेचन और प्रयुक्ति – डॉ. किशोर वासवानी
6. भारत का संविधान प्राधिकृत संस्करण 2005
7. राजभाषा हिंदी – सेठ गोविंददास
8. राजभाषा प्रबंधन – डॉ. गोवर्धन ठाकुर
9. हिंदी : राष्ट्रभाषा से राजभाषा तक – विमलेश कांति वर्मा
10. बारहवीं सदी से राजकाज में हिंदी – रामबाबू शर्मा
11. भारतीय राष्ट्रभाषा : सीमाएँ तथा समास्याएं – डॉ. सत्यव्रत
12. राजभाषा के संदर्भ में हिंदी आंदोलन का इतिहास – उदयनारायण दुबे
13. व्यवहारोपयोगी एवं कामकाजी हिंदी – डॉ. अनंत केदार।

बी. ए. तृतीय वर्ष कला (शैक्षिक वर्ष 2021-2022 से)

षष्ठ अयन (Sixth Semester) वैकल्पिक

पाठ्यचर्या : Core Course – 1F (G3) वैकल्पिक पाठ्यचर्या – प्रयोजनमूलक हिंदी : माध्यम लेखन

3 कर्मांक (3 Credit)

उद्देश्य :

1. छात्रों को जनसंचार माध्यम और हिंदी अवधारणा से परिचित करना।
2. छात्रों को पृष्ठ सज्जा के विविध अंगों से परिचित कराना।
3. छात्रों को संचार क्रांति और सूचना प्रौद्योगिकी से अवगत कराना।
4. छात्रों को भिन्न-भिन्न क्षेत्रों में सूचना प्रौद्योगिकी की उपादेयता से अवगत कराना।

इकाई	पाठ्यविषय	तासिकाएँ
इकाई-I	जनसंचार माध्यम और हिंदी : अवधारणा और प्रकार अ) दृश्य माध्यम और प्रयोजनमूलक हिंदी, दृश्य माध्यम में प्रयुक्त भाषा, दृश्य माध्यम के लिए समाचार लेखन। आ) श्रव्य माध्यम और प्रयोजनमूलक हिंदी, श्रव्य माध्यम में प्रयुक्त भाषा, श्रव्य माध्यम के लिए समाचार लेखन।	15 तासिकाएँ
इकाई-II	प्रतिवेदन रिपोर्ट : परिभाषा और स्वरूप, प्रारूप, शीर्षक पृष्ठ-सज्जा (मेक-अप) के विविध अंग। सामग्री का संयोजन एवं पृष्ठ निर्धारण। कलापक्ष एवं मुद्रण।	15 तासिकाएँ
इकाई-III	संचार क्रांति एवं सूचना प्रौद्योगिकी का भविष्य : ई-कैश तथा डिजिटल हस्ताक्षर, नेट बैंकिंग, आभासी कक्षा (वर्चुअल क्लासरूम), ई-गोष्ठी, ई-कॉमर्स, ई-फैक्स। विभिन्न क्षेत्रों में सूचना प्रौद्योगिकी की उपादेयता का संक्षिप्त परिचय। सायबर शिक्षा। ई-संसाधनों की सीमाएं।	15 तासिकाएँ

पूर्णांक : 100

आंतरिक मूल्यांकन : 30 अंक (लघुत्तरी परीक्षा- 20 अंक, शोध परियोजना/समूह परियोजना/मौखिक प्रस्तुति/क्षेत्रीय अध्ययन- 10 अंक)

सत्रांत परीक्षा : 70 अंक

सत्रांत परीक्षा – प्रश्नपत्र का प्रारूप :

(शैक्षिक वर्ष 2021-22 से आगे)

समय : 3 घंटे

अंक : 70

प्रश्न 1. इकाई – I पर चार में से दो प्रश्न :

14 अंक

प्रश्न 2. इकाई – II पर चार में से दो प्रश्न :

14 अंक

प्रश्न 3. इकाई – III पर चार में से दो प्रश्न :

14 अंक

प्रश्न 4. इकाई – I, II, III (दो + दो + दो) छह टिप्पणी में से तीन प्रश्न :

21 अंक

प्रश्न 5. इकाई – I, II, III पर (एक + एक + एक) तीन प्रश्न में से एक प्रश्न :

07 अंक

संदर्भ ग्रंथ :

1. जनसंचार के विविध आयाम – ब्रजमोहन गुप्त
2. जनमाध्यम और मासकल्चर – जगदीश्वर चतुर्वेदी
3. जनमाध्यम और पत्रकारिता (भाग : 1, 2) – प्रवीण दीक्षित
4. जनमाध्यम : संप्रेषण और विकास – देवेन्द्र इस्सर
5. सिनेमाई भाषा और हिंदी संवादों का विश्लेषण – डॉ. किशोर वासवानी
6. जनसंचार – राधेश्याम शर्मा
7. जनसंचार सिद्धांत और अनुप्रयोग – विष्णु राजगढ़िया
8. जनसंचार माध्यम और पत्रकारिता सर्वांग – डॉ. जितेंद्र वत्स, डॉ. किरण बाल
9. जनसंचार और हिंदी पत्रकारिता – डॉ. अर्जुन तिवारी
10. आधुनिक पत्रकारिता और इलेक्ट्रॉनिक मीडिया – डॉ. जालिंदर इंगळे
11. जनसंचार और तकनीकी हिंदी : विविध आयाम – डॉ. अनिल काळे।

बी. ए. तृतीय वर्ष कला (शैक्षिक वर्ष 2021-2022 से)

पंचम अयन (Fifth Semester)

पाठ्यचर्या : **Discipline Specific Elective 1 C (S3)** हिंदी साहित्य का इतिहास (आदिकाल, भक्तिकाल, रीतिकाल का सामान्य परिचय) 3 कर्मांक (3 Credit) + 1*

उद्देश्य :

1. हिंदी साहित्येतिहास लेखन का परिचय देना।
2. हिंदी साहित्येतिहास के कालविभाजन तथा नामकरण का परिचय देना।
3. आदिकालीन, भक्तिकालीन, रीतिकालीन प्रमुख साहित्यिक प्रवृत्तियों, रचनाकारों और रचनाओं से परिचित कराना।

इकाई	पाठ्यविषय	तासिकाएँ
इकाई-I	हिंदी साहित्य का कालविभाजन और नामकरण। आदिकाल की पृष्ठभूमि, रासो साहित्य : पृथ्वीराज रासो और कवि चंदबरदायी का परिचय। सिद्ध और नाथ साहित्य : गोरखनाथ का साहित्यिक परिचय। अमीर खुसरो की हिंदी कविता। आदिकालीन साहित्य की विशेषताएँ।	15 तासिकाएँ
इकाई-II	भक्तिकाल के उदय के सामाजिक, सांस्कृतिक कारण। भक्ति आंदोलन का महत्व, पृष्ठभूमि। निर्गुण काव्य : संत काव्य की विशेषताएँ। संत कबीर का सामान्य परिचय। सूफी काव्य की विशेषताएँ। कवि जायसी का सामान्य परिचय। सगुण काव्य : राम काव्य की विशेषताएँ। कवि तुलसीदास का सामान्य परिचय। कृष्ण काव्य की विशेषताएँ। कवि सूरदास का सामान्य परिचय।	15 तासिकाएँ
इकाई-III	रीतिकाल की सामाजिक, राजनीतिक, सांस्कृतिक पृष्ठभूमि। रीतिकाल की प्रमुख प्रवृत्तियों का (रीतिबद्ध, रीतिसिद्ध, रीतिमुक्त) सामान्य परिचय। रीतिबद्ध कवि केशवदास का सामान्य परिचय। रीतिसिद्ध कवि बिहारी का सामान्य परिचय। रीतिमुक्त कवि घनानंद का सामान्य परिचय।	15 तासिकाएँ
Research Project	1* One Credit for Research Project, field work etc.	

पूर्णांक : 100

आंतरिक मूल्यांकन : 30 अंक (लघुत्तरी परीक्षा- 20 अंक, शोध परियोजना/समूह परियोजना/मौखिक प्रस्तुति/क्षेत्रीय अध्ययन- 10 अंक)

सत्रांत परीक्षा : 70 अंक

सत्रांत परीक्षा – प्रश्नपत्र का प्रारूप :

(शैक्षिक वर्ष 2020–21 से आगे)

समय : 3 घंटे

अंक : 70

प्रश्न 1. इकाई – I पर चार में से दो प्रश्न :

14 अंक

प्रश्न 2. इकाई – II पर चार में से दो प्रश्न :

14 अंक

प्रश्न 3. इकाई – III पर चार में से दो प्रश्न :

14 अंक

प्रश्न 4. इकाई – I, II, III (दो + दो + दो) छह टिप्पणी में से तीन प्रश्न :

21 अंक

प्रश्न 5. तीनों इकाइयों पर (इकाई एक – 4, इकाई दो – 3, इकाई तीन – 3)

07 अंक

दस बहुविकल्प प्रश्न में से सात के उत्तर।

संदर्भ ग्रंथ :

1. हिंदी साहित्य का इतिहास – आ. रामचंद्र शुक्ल
2. हिंदी साहित्य की भूमिका – आ. हजारीप्रसाद द्विवेदी
3. हिंदी साहित्य का आदिकाल – आ. हजारीप्रसाद द्विवेदी
4. हिंदी साहित्य का वैज्ञानिक इतिहास – डॉ. गणपतिचंद्र गुप्त
5. हिंदी साहित्य का आलोचनात्मक इतिहास – डॉ. रामकुमार वर्मा
6. हिंदी साहित्य और संवेदना का विकास – रामस्वरूप चतुर्वेदी
7. हिंदी साहित्य का इतिहास – डॉ. नगेंद्र
8. हिंदी साहित्य का अतीत – विश्वनाथ प्रसाद मिश्र
9. हिंदी साहित्य का दूसरा इतिहास – बच्चन सिंह
10. हिंदी साहित्य का इतिहास – प्रो. माधव सोनटक्के
11. हिंदी साहित्य का नया इतिहास – डॉ. राजेंद्र मिश्र
12. हिंदी साहित्य का आधा इतिहास – डॉ. सुमन राजे
13. हिंदी साहित्य का इतिहास – डॉ. सूर्यनारायण रणसुभे
14. हिंदी साहित्य का इतिहास – डॉ. जालिंदर इंगळे।

बी. ए. तृतीय वर्ष कला (शैक्षिक वर्ष 2021–2022 से)

पंचम अयन (Fifth Semester)

पाठ्यचर्या : **Discipline Specific Elective 2 C (S4)** भाषाविज्ञान (सामान्य परिचय)

3 कर्मांक (3 Credit) + 1*

उद्देश्य :

1. भाषाविज्ञान के स्वरूप का परिचय देना।
2. छात्रों को भाषाविज्ञान की व्याप्ति समझाना।
3. भाषाविज्ञान के अध्ययन की दिशाओं का परिचय देना।
4. भाषाविज्ञान के अनुप्रयोगात्मक पक्ष को समझाना।
5. साहित्य-अध्ययन में भाषाविज्ञान की उपयोगिता समझाना।

इकाई	पाठ्यविषय	तासिकाएँ
इकाई-I	भाषा विज्ञान का नामकरण और परिभाषा, भाषाविज्ञान की शाखाएँ। भाषा विज्ञान का अन्य शाखाओं से संबंध : भाषा विज्ञान और व्याकरण, भाषा विज्ञान और साहित्य, भाषा विज्ञान और मनोविज्ञान, भाषा विज्ञान और भूगोल।	15 तासिकाएँ
इकाई-II	ध्वनि विज्ञान : ध्वनि का अर्थ और परिभाषा। ध्वनि यंत्र। ध्वनि गुण : मात्रा, स्वराघात, बलाघात। ध्वनि परिवर्तन के कारण। रूप विज्ञान : अर्थ और परिभाषा। रूप और रूपिम में अंतर रूपिम के भेद : मुक्त रूपिम, बद्ध रूपिम, मुक्तबद्ध रूपिम, रूप परिवर्तन के कारण।	15 तासिकाएँ
इकाई-III	अर्थ विज्ञान : परिभाषा। अर्थ परिवर्तन की दिशाएँ। अर्थ परिवर्तन के कारण।	15 तासिकाएँ
Research Project	1* One Credit for Research Project, field work etc.	

अंक विभाजन – पूर्णांक : 100

आंतरिक मूल्यांकन – 30 (लघुत्तरी परीक्षा– 20, शोध परियोजना/समूह परियोजना/मौखिक प्रस्तुति/क्षेत्रीय अध्ययन– 10)

सत्रांत परीक्षा – 70

सत्रांत परीक्षा – प्रश्नपत्र का प्रारूप :

(शैक्षिक वर्ष 2021-22 से आगे)

समय : 3 घंटे

अंक : 70

प्रश्न 1. इकाई – I पर चार में से दो प्रश्न :

14 अंक

प्रश्न 2. इकाई – II पर चार में से दो प्रश्न :

14 अंक

प्रश्न 3. इकाई – III पर चार में से दो प्रश्न :

14 अंक

प्रश्न 4. इकाई – I, II, III (दो + दो + दो) छह टिप्पणी में से तीन प्रश्न :

21 अंक

प्रश्न 5. तीनों इकाइयों पर (इकाई एक – 4, इकाई दो – 3, इकाई तीन – 3)

07 अंक

दस बहुविकल्प प्रश्न में से सात के उत्तर।

संदर्भ ग्रंथ :

1. भाषा और समाज – रामविलास शर्मा
2. आधुनिक भाषा विज्ञान – राजमणि शर्मा
3. सांस्कृतिक भाषा विज्ञान – डॉ. रामानंद तिवारी
4. भाषा विज्ञान – सं. डॉ. राजमल बोरा
5. भाषा शास्त्र तथा हिंदी भाषा की रूपरेखा – डॉ. देवेन्द्रकुमार शास्त्री
6. भाषाविज्ञान – भोलानाथ तिवारी
7. भाषाविज्ञान एवं हिंदी भाषा – डॉ. रूपाली चौधरी
8. भाषाविज्ञान – डॉ. जालिंदर इंगळे
9. भाषाविज्ञान की भूमिका – डॉ. देवेन्द्रनाथ शर्मा
10. भाषाविज्ञान – डॉ. मधुकर देशमुख
11. सरल भाषाविज्ञान – डॉ. पीतांबर सरोदे, डॉ. विश्वास पाटील।

बी. ए. तृतीय वर्ष कला (शैक्षिक वर्ष 2021-2022 से)

षष्ठ अयन (Sixth Semester)

पाठ्यचर्या : **Discipline Specific Elective 1 D (S3)** हिंदी साहित्य का इतिहास

(आधुनिक काल सामान्य परिचय)

3 कर्मांक (3 Credit) + 1*

उद्देश्य :

1. आधुनिक काल की पृष्ठभूमि से छात्रों अवगत कराना।
2. भारतेंदु युगीन, द्विवेदी युग के काव्य की विशेषताओं से छात्रों को अवगत कराना।
3. आधुनिक काल के रचनाकारों और रचनाओं से परिचित कराना।
4. हिंदी गद्य के उद्भव और विकास से छात्रों को अवगत कराना।

इकाई	पाठ्यविषय	तासिकाँ
इकाई-I	आधुनिक काल की पृष्ठभूमि भारतेंदुयुगीन काव्य की सामान्य विशेषताएँ। प्रमुख कवि – भारतेंदु हरिश्चंद्र, बद्रिनारायण चौधरी 'प्रेमघन'। द्विवेदी युगीन काव्य की सामान्य विशेषताएँ। प्रमुख कवि – मैथिलीशरण गुप्त, अयोध्यासिंह उपाध्याय 'हरिऔध'	15 तासिकाँ
इकाई-II	छायावादी काव्य की सामान्य विशेषताएँ। छायावाद के प्रमुख कवि – जयशंकर प्रसाद, सुमित्रानंदन पंत, सूर्यकांत त्रिपाठी 'निराला', महादेवी वर्मा का सामान्य परिचय। प्रगतिवादी काव्य और प्रमुख कवि – रामधारी सिंह 'दिनकर', नागार्जुन का सामान्य परिचय। प्रयोगवादी काव्य और प्रमुख कवि – सच्चिदानंद हीरानंद वात्स्यायन 'अज्ञेय' का सामान्य परिचय।	15 तासिकाँ
इकाई-III	हिंदी गद्य का उद्भव और विकास फोर्ट विलियम कॉलेज का योगदान हिंदी उपन्यास साहित्य का विकासक्रम (सामान्य परिचय) हिंदी कहानी साहित्य का विकासक्रम (सामान्य परिचय) हिंदी नाटक साहित्य का विकासक्रम (सामान्य परिचय)	15 तासिकाँ
Research Project	1* One Credit for Research Project, field work etc.	

पूर्णांक : 100

आंतरिक मूल्यांकन : 30 अंक (लघुत्तरी परीक्षा- 20 अंक, शोध परियोजना/समूह परियोजना/मौखिक प्रस्तुति/क्षेत्रीय अध्ययन- 10 अंक)

सत्रांत परीक्षा : 70 अंक

सत्रांत परीक्षा – प्रश्नपत्र का प्रारूप :

(शैक्षिक वर्ष 2021–22 से आगे)

समय : 3 घंटे

अंक : 70

प्रश्न 1. इकाई – I पर चार में से दो प्रश्न :

14 अंक

प्रश्न 2. इकाई – II पर चार में से दो प्रश्न :

14 अंक

प्रश्न 3. इकाई – III पर चार में से दो प्रश्न :

14 अंक

प्रश्न 4. इकाई – I, II, III (दो + दो + दो) छह टिप्पणी में से तीन प्रश्न :

21 अंक

प्रश्न 5. तीनों इकाइयों पर (इकाई एक – 4, इकाई दो – 3, इकाई तीन – 3)

07 अंक

दस बहुविकल्प प्रश्न में से सात के उत्तर।

संदर्भ ग्रंथ :

1. हिंदी साहित्य का इतिहास – आ. रामचंद्र शुक्ल
2. हिंदी साहित्य की भूमिका – आ. हजारीप्रसाद द्विवेदी
3. हिंदी साहित्य का आदिकाल – आ. हजारीप्रसाद द्विवेदी
4. हिंदी साहित्य का वैज्ञानिक इतिहास – डॉ. गणपतिचंद्र गुप्त
5. हिंदी साहित्य का आलोचनात्मक इतिहास – डॉ. रामकुमार वर्मा
6. हिंदी साहित्य और संवेदना का विकास – रामस्वरूप चतुर्वेदी
7. हिंदी साहित्य का इतिहास – डॉ. नगेंद्र
8. हिंदी साहित्य का अतीत – विश्वनाथ प्रसाद मिश्र
9. हिंदी साहित्य का दूसरा इतिहास – बच्चन सिंह
10. हिंदी साहित्य का इतिहास – प्रो. माधव सोनटक्के
11. हिंदी साहित्य का नया इतिहास – डॉ. राजेंद्र मिश्र
12. हिंदी साहित्य का इतिहास – डॉ. जालिंदर इंगळे।

बी. ए. तृतीय वर्ष कला (शैक्षिक वर्ष 2021-2022 से)

षष्ठ अयन (Sixth Semester)

पाठ्यचर्या : **Discipline Specific Elective 2 D (S4)** हिंदी भाषा और उसका विकास

3 कर्मांक (3 Credit) + 1*

उद्देश्य :

1. भाषाविज्ञान के स्वरूप का परिचय देना।
2. छात्रों को भाषाविज्ञान की व्याप्ति समझाना।
3. भाषाविज्ञान के अध्ययन की दिशाओं का परिचय देना।
4. भाषाविज्ञान के अनुप्रयोगात्मक पक्ष को समझाना।
5. साहित्य-अध्ययन में भाषाविज्ञान की उपयोगिता समझाना।

इकाई	पाठ्यविषय	तासिकाएँ
इकाई-I	भाषा की परिभाषा और भाषा की विशेषताएँ। भाषा के विविध रूप : बोली, भाषा, परिनिष्ठित भाषा, साहित्यिक भाषा, राजभाषा, राष्ट्रभाषा, संपर्क भाषा, अंतर्राष्ट्रीय भाषा।	15 तासिकाएँ
इकाई-II	हिंदी की बोलियाँ : पश्चिमी हिंदी, पूर्वी हिंदी, बिहारी हिंदी, पहाड़ी हिंदी, राजस्थानी हिंदी। हिंदी का शब्द भंडार : तत्सम शब्द, तद्भव शब्द, देशज शब्द, आगत या विदेशी शब्दों का परिचय।	15 तासिकाएँ
इकाई-III	नगरीलिपि का उद्भव और विकास। नागरी लिपि की विशेषताएँ। नागरी लिपि में सुधार की संभावनाएँ।	15 तासिकाएँ
Research Project	1* One Credit for Research Project, field work etc.	

अंक विभाजन – पूर्णांक : 100

आंतरिक मूल्यांकन – 30 (लघुत्तरी परीक्षा– 20, शोध परियोजना/समूह परियोजना/मौखिक प्रस्तुति/क्षेत्रीय अध्ययन– 10)

सत्रांत परीक्षा – 70

सत्रांत परीक्षा – प्रश्नपत्र का प्रारूप :

(शैक्षिक वर्ष 2021–22 से आगे)

समय : 3 घंटे

अंक : 70

प्रश्न 1. इकाई – I पर चार में से दो प्रश्न :

14 अंक

प्रश्न 2. इकाई – II पर चार में से दो प्रश्न :

14 अंक

प्रश्न 3. इकाई – III पर चार में से दो प्रश्न :

14 अंक

प्रश्न 4. इकाई – I, II, III (दो + दो + दो) छह टिप्पणी में से तीन प्रश्न :

21 अंक

प्रश्न 5. तीनों इकाइयों पर (इकाई एक – 4, इकाई दो – 3, इकाई तीन – 3)

07 अंक

दस बहुविकल्प प्रश्न में से सात के उत्तर।

संदर्भ ग्रंथ :

1. भाषा विज्ञान एवं भाषाशास्त्र – डॉ. कपिलदेव द्विवेदी
2. हिंदी भाषा संरचना – डॉ. भोलानाथ तिवारी
3. आधुनिक भाषाविज्ञान – डॉ. कृपाशंकर सिंह, डॉ. चतुर्भुज सहाय
4. हिंदी का वाक्यात्मक कारण – प्रो. सूरजभान सिंह
5. भाषाविज्ञान के आधुनातन आयाम – डॉ. अंबादास देशमुख

बी. ए. तृतीय वर्ष कला (शैक्षिक वर्ष 2021-2022 से)

पंचम अयन (Fifth Semester)

पाठ्यचर्या : **Skill Enhancement Course 2 C** पाठ्यचर्या : पटकथा लेखन

2 कर्मांक (2 Credit)

उद्देश्य :

1. छात्रों को स्क्रिप्ट लेखन, अर्थ, परिभाषा से अवगत कराना।
2. छात्रों को कथा, पटकथा और संवाद से परिचित कराना।
3. छात्रों को ड्राफ्ट बनाने से परिचित कराना।

इकाई	पाठ्यविषय	तासिकाएँ
इकाई-I	<p>पटकथा (स्क्रिप्ट) लेखन, अर्थ, परिभाषा और सामान्य परिचय।</p> <p>पटकथा (स्क्रिप्ट) के तीन अंग- कथा, पटकथा और संवाद। उदाहरण सहित संक्षिप्त जानकारी।</p> <p>तीनों की परस्परावलंबिता और दृश्य-श्रव्य माध्यम में महत्व।</p> <p>पटकथा (स्क्रिप्ट) लेखन की प्रक्रिया।</p> <p>विचार (आइडिया) – वन लाइनर या लॉग लाइन – सारांश (शीर्षक, कथावस्तु, पात्रों की सूची।)</p> <p>प्लॉट बनाना – पात्रों का परिचय और उन्हें स्थापित करना, पात्रों का विकास।</p> <p>ड्राफ्ट बनाना – इनडोर/आउटडोर, समय, स्थान, संवाद, पात्र की क्रिया और प्रतिक्रिया।</p>	15 तासिकाएँ
इकाई-II	<p>दृश्य-श्राव्य माध्यम के विभिन्न प्रकारों के लिए स्क्रिप्ट लेखन। (सामान्य दिशा निर्देश)</p> <p>वृत्तचित्र – टेलिफिल्म, शॉर्टफिल्म, विज्ञापन, फिल्म- वॉक थ्रू एवं अन्य – चलचित्र।</p> <p>शॉर्ट फिल्म के लिए स्क्रिप्ट लेखन का विशेष परिचय।</p> <p>पटकथा के प्रारूप और मुख्य सॉफ्टवेयरों की जानकारी।</p>	15 तासिकाएँ

अंक विभाजन पूर्णांक : 50

आंतरिक मूल्यांकन : 25 अंक (20 अंक : पटकथा लेखन (एकल/समूह पांच छात्र)/ 10 मिनट की लघु फिल्म निर्माण/विज्ञापन निर्माण/ डॉक्यूमेंट्री फिल्म निर्माण। 5 अंक प्रस्तुति के लिए।)

सत्रांत परीक्षा : 25 अंक

सत्रांत परीक्षा – प्रश्नपत्र का प्रारूप :

(शैक्षिक वर्ष 2021–22 से आगे)

समय : 2 घंटे

अंक : 25

प्रश्न 1. इकाई – I पर चार में से दो प्रश्न :

10 अंक

प्रश्न 2. इकाई – II पर चार में से दो प्रश्न :

10 अंक

प्रश्न 3. इकाई – I और इकाई – II पर दो टिप्पणी में से एक प्रश्न :

05 अंक

संदर्भ ग्रंथ :

1. कथा पटकथा – मन्नू भंडारी
2. कथा पटकथा संवाद – हूबनाथ
3. पटकथा लेखक एक परिचय – मनोहर श्याम जोशी
4. पटकथा कैसे लिखें – राजेंद्र पांडे
5. पटकथा लेखन फीचर फिल्म – उमेश राठौर
6. पटकथा लेखन व्यावहारिक निर्देशिका – असगर वजाहत
7. पटकथा सौंदर्य और सृजन – डॉ. चंद्रदेव यादव
8. साहित्य और सिनेमा – डॉ. जालिंदर इंगळे
9. साहित्य और सिनेमा – संपा. डॉ. पुरुषोत्तम कुंदे
10. सिनेमा और फिल्मांतरित हिंदी साहित्य – डॉ. गोकुळ क्षीरसागर।

बी. ए. तृतीय वर्ष कला (शैक्षिक वर्ष 2021-2022 से)

षष्ठ अयन (Sixth Semester)

पाठ्यचर्या : **Skill Enhancement 2 D** पाठ्यचर्या : साहित्य और फिल्मांतरण

2 कर्मांक (2 Credit)

उद्देश्य :

1. छात्रों में सिनेमा का स्वरूप से परिचित कराना।
2. छात्रों को हिंदी साहित्य और सिनेमा के अन्तसंबंध से परिचित कराना।
3. छात्रों को हिंदी उपन्यासों पर आधारित फिल्मों से अवगत कराना।

इकाई	पाठ्यविषय	तासिकाएँ
इकाई-I	सिनेमा : स्वरूप विवेचन, सिनेमा की परिभाषा हिंदी फीचर फिल्म के प्रकार हिंदी सिनेमा में अंतर्निहित तत्व हिंदी साहित्य और सिनेमा का अन्तसंबंध भारत में सिनेमा का उद्भव और विकास समानांतर हिंदी सिनेमा इक्कीसवीं सदी में हिंदी सिनेमा।	15 तासिकाएँ
इकाई-II	साहित्य का फिल्मांतरण फिल्मांतरण : स्वरूप, महत्व हिंदी उपन्यासों पर आधारित हिंदी फिल्में : सारा आकाश, नौकर की कमीज, चित्रलेखा। हिंदी कहानियों पर आधारित हिंदी फिल्में : सद्गति, तीसरी कसम, मोहनदास।	15 तासिकाएँ

अंक विभाजन पूर्णांक : 50

आंतरिक मूल्यांकन : 25 अंक (20 अंक : विधारुपांतरण, 05 अंक : प्रस्तुति।)

सत्रांत परीक्षा : 25 अंक

सत्रांत परीक्षा – प्रश्नपत्र का प्रारूप :

(शैक्षिक वर्ष 2021–22 से आगे)

समय : 2 घंटे

अंक : 25

प्रश्न 1. इकाई – I पर चार में से दो प्रश्न :

10 अंक

प्रश्न 2. इकाई – II पर चार में से दो प्रश्न :

10 अंक

प्रश्न 3. इकाई – I और इकाई – II पर दो टिप्पणी में से एक प्रश्न :

05 अंक

संदर्भ ग्रंथ :

1. प्रयोजनमूलक हिंदी – डॉ. विनोद गोदरे
2. प्रयोजनमूलक हिंदी – डॉ. तेजपाल चौधरी
3. हिंदी सिनेमा आदि के अनंत – डॉ. प्रहलाद अग्रवाल
4. भारतीय सामाज हिंदी सिनेमा और स्त्री – सुलभा कोरे
5. हिंदी सिनेमा एक अध्ययन – राजेश कुमार
6. साहित्य और सिनेमा – डॉ. जालिंदर इंगळे
7. साहित्य और सिनेमा – संपा. डॉ. पुरुषोत्तम कुंदे।
8. सिनेमा और फिल्मांतरित हिंदी साहित्य – डॉ. गोकुळ क्षीरसागर।



SAVITRIBAI PHULE PUNE UNIVERSITY

(Formerly University of Pune)

T.Y.B.A. Economics Syllabus

(Choice Based Credit System and Semester System)

**Revised Syllabus will be implemented with effect from the
academic year 2021-2022**

T.Y.B.A. Economics

(Sem V & VI)

Semester	Paper Name	Subject Code	Title of the Paper
V	Economics General - III		Indian Economic Development- I
	Economics Special - III		International Economics-I
	Economics Special - IV		Public Finance- I
	Skill Enhancement Course (SEC-3A)		Business Management- I
VI	Economics General - III		Indian Economic Development- II
	Economics Special - III		International Economics- II
	Economics Special - IV		Public Finance- II
	Skill Enhancement Course (SEC-3A)		Business Management- II (Project Report)

T.Y.B.A. Economics
General Paper-III: Indian Economic Development-I
(Course Code:)
Semester V

Preamble:

The course will be useful for learners aiming towards careers in the government sector, policy analysis and the social sector. This course would take an overview of aspects of economic development with special reference to India.

The course aims to introduce the learner to the main concepts in economic and human development, equip them compare and contrast different economies: recognize various indicators of economic and human development. The course will also provide a broad outline of the Sustainable Development Goals.

Course Learning Outcomes

At the end of the course the learner will have ability -

- To relate and recognize the concept and indicators of Economic Development.
- To describe and analyze the concept and indicators of Human Development.
- To explain the characteristics of Developing and Developed Countries.
- To describe the constraints to the process of Economic Development.

Unit No.	Name and Sub Titles of the Topic	No. of Lectures
1	Economic Development and Growth	10
	1.1 Economic Development: Meaning, Definition and Indicators	
	1.2 Economic Growth: Meaning, Definition and Indicators	
	1.3 Need and Importance of Economic Development	
2	Developed and Developing Countries	14
	2.1 Concepts of Developed and Developing Countries	
	2.2 Characteristics of Developed Countries	
	2.3 Characteristics of Developing Countries : Economic, Demographic, Technological, Social and Political	
	2.4 India as an Emerging Economy	
3	Constraints to Development Process	12
	3.1 Vicious Circle of Poverty	
	3.2 Capital Constraints	
	3.3 Technology Constraints	
	3.4 Socio- Cultural Constraints	
	3.5 Political and Administrative Constraints	
	3.6 External Bottlenecks	
4	Human Resources and Economic Development	12
	4.1 Role of Human Resources in Economic Development	
	4.2 Human Development Index and India	
	4.3 Concepts of Physical Quality of Life Index:	
	4.3.1 Gender Development Index 4.3.2 Gender Inequality Index 4.3.3 Multidimensional Poverty Index	

Recommended Books -

- Ragnar Nurkse, Problem of Capital Formation in Underdeveloped Countries.
- Sen Amartya (1970), Growth Economics, Penguin.
- Zinghan M.L.(1982), The Economics of Development and Planning. Vrinda Publication (P) Ltd.
- Adelman, I. (1961), Theories of Economic Growth and Development, Stanford University Press, Stanford.
- Avhad Suhas (2015), 'Economics of Growth and Development' (Marathi Edition) Success Prakashan, Pune
- Behrman, S. and T.N.Srinivasan,(1995) Handbook of Development Economic, Vol. 1 to 3, Elsevier, Amsterdam,
- Chenery H. and T.N.Srinivasan, (1989) Handbook of Development Economics Vo1&2, Elsevier. Amsterdam.
- Dasgupta p. (1993) An Enquiry into Well Being and Destitution.
- Dhage S.K. (2015), Indian Economy (Marathi Edition) K.S. Publication, Pune.\
- Wavare A. (2017), Development and Planning Economics (Vikas va Niyojanache Arthshastra - Marathi Edition)
- Datir R.K.(2013), Vikas ani Paryavarniy Arthshastra, Nirali Prakashan, Pune.
- Rasal Rajendra (2020), Indian Economy (Marathi), Success Publication Pune, 7th edn.
- Ghatak,S.(1986), An Introduction to Development Economics,Allen and Unwin, London,
- Ghosh. B.N.(1982) Economic Development and Planning National Book House.
- Grillis M., D H. Perkins, M.Romer and D.R.Snodgrass (1992) Economic of Development (3rdEdition) W.W.Norton, New York.
- Patil J.F.(2014),Growth And Development economics (Vruddhi Va Vikasache Airthshastra, Phadke Prakashan - Marathi Edition)
- Higgins, Benjamin. (1959) Economic Development, W.W.Norton , New York
- Jennifer A. Elliott, (2013), An Introduction to Sustainable Development (Fourth Edition), Routledge Publication, London and New York.
- Kindleberger C.P.(1977),Economic Development (3rd Edition) McGraw Hill, New York.
- Jagdish Bhagwati,The Economics Of Underdeveloped Countries.
- Mahata J.K.(1964) Economic of Growth, Asia.
- Meaer and Baldwin(1970) Economic Development, Asia .
- Mehata J.K.(1971) Economic Development , Chaitanya.
- Kute Santosh and Rithe (2019) ,Demography , Prashant Publication Jalgaon.
- Mishra &Puri, Development and Planning- Theory And Practice, Himalaya.
- Meier, G.M. (1995) Leading Issue in Economic Development,6ed,Oxford University Press ,New Delhi,
- Todaro M.P. (1996) Economic Development (6th Edition) Longman, London.
- UNDP, Human Development Report [Latest]
- World Development Reports
- India Development Reports

T.Y.B.A. Economics
General Paper- III: Indian Economic Development-II
(Course Code:)

Semester VI

Preamble:

This course would take an overview of the process of Economic Planning and the Development Goals. The course aims to introduce the learner to the main concepts in Economic Planning, equip them with understanding of the planning process in India and changing in recent times and familiarize them to the Sustainable Development Goals. The Course also reviews the relation between Economic Development and Environment.

Course Learning Outcomes

At the end of the course the learner will have ability-

- To describe and explain the process of Economic Planning.
- To describe and examine the changing structure of planning process in India.
- To describe and explain the relation between Economic Development and Environment.

Unit No.	Name and Sub Titles of the Topic	No. of Lectures
1	Economic Planning	12
	1.1 Economic Planning – Meaning, Definition and Features	
	1.2 Need of Economic Planning	
	1.3 Objectives of Economic Planning in India	
2	National Institution for Transforming India Aayog (NITI Aayog)	12
	2.1 NITI Aayog- Objectives and Structure	
	2.2 Role of NITI Aayog	
	2.3 Difference between Planning Commission and NITI Aayog	
3	Sustainable Development	12
	3.1 Sustainable Development : Meaning and Importance	
	3.2 17 SDGs (Sustainable Development Goals)	
	3.3 Measures for Sustainable Development	
	3.4 Current Scenario of SDG in India	
4	Environment and Economic Development	12
	4.1 Relation between Environment and Economic Development	
	4.2 Environment and Sustainable Development	
	4.3 Environmental Policies in India: 4.3.1 National Conservation Strategy (1992) - Highlights 4.3.2 National Environmental Policy (2006) - Highlights	
	4.4 Global Warming	

Recommended Books -

- Ragnar Nurkse, Problem of Capital Formation in Underdeveloped Countries.
- Sen Amartya (1970) Growth Economics, Penguin.
- Zinghan M.L. (1982) the Economics of Development and Planning. Vrinda Pub.(P) Ltd.
- Adelman, I. (1961) Theories of Economic Growth and Development, Stanford University Press, Stanford.
- Avhad Suhas (2015), 'Economics of Growth and Development' (Marathi Edition) Success Prakashan, Pune
- Behrman, S. and T.N.Srinivasan,(1995) Handbook of Development Economic, Vol. 1 to 3, Elsevier, Amsterdam,
- Chenery H. and T.N.Srinivasan, (1989) Handbook of Development Economics Vol1&2, Elsevier. Amsterdam.
- Dasgupta p. (1993) an Enquiry into Well Being and Destitution.
- Dahir R.K. (2013) Vikas ani Paryavarniy Arthshastra, Nirali Prakashan, Pune.
- Ghatak,S.(1986) An Introduction to Development Economics,Allen and Unwin, London,
- Ghosh. B.N.(1982) Economic Development and Planning National Book House.
- Grillis M., D H. Perkins, M.Romer and D.R.Snodgrass (1992) Economic of Development (3rdEdition) W.W.Norton, New York.
- Higgins, Benjamin. (1959) Economic Development, W.W.Norton , New York
- Jennifer A. Elliott, (2013), an Introduction to Sustainable Development (Fourth Edition), Routledge Publication, London and New York.
- Kindleberger C.P. (1977) Economic Development (3rd Edition) McGraw Hill, New York.
- Jagdish Bhagwati,The Economics Of Underdeveloped Countries.
- Mahata J.K. (1964) Economic of Growth, Asia.
- Meaer and Baldwin (1970) Economic Development, Asia .
- Mehata J.K.(1971) Economic Development , Chaitanya.
- Mishra &Puri, Development and Planning- Theory And Practice, Himalaya.
- Meier, G.M. (1995) Leading Issue in Economic Development,6ed,Oxford University Press ,New Delhi,
- Todaro M.P. (1996) Economic Development (6th Edition) Longman, London.
- UNDP, Human Development Report [Latest]
- World Development Reports
- India Development Reports

T.Y.B.A. Economics
Special Paper - III: International Economics-I
(Course Code:)

Semester - V

Preamble:

This course provides the students a thorough understanding and deep knowledge about the concept of international economics and international trade. The contents of the paper spread over various modules, lay stress both on theory and applied nature of the subject. Besides this, the contents prepare the students to know the important theories of international trade. The paper also covers the meaning, types, importance of terms of trade and causes of unfavorable terms of trade to developing countries like India.

Course Learning Outcomes

At the end of the course the learner will have Ability

- To relate and recall the concepts of International Economics and International Trade.
- To describe and apply the theories of international trade.
- To explain and comprehend the issues relating to Terms of trade and Balance of Payment.

Unit No.	Name and Sub Titles of the Topic	No. of Lectures
1	Introduction	12
	1.1 International Economics- Meaning, Scope and Importance	
	1.2 Inter-regional and International Trade	
	1.3 Importance of International Trade	
2	Theories of International Trade	12
	2.1 Theory of Absolute Cost Advantage and Theory of Comparative Cost Advantage	
	2.2 Heckscher-Ohlin Theory	
	2.3 Leontief's Paradox	
	2.4 Intra-Industry Trade	
3	Terms of Trade	12
	3.1 Meaning, Types and Importance of Terms of trade	
	3.2 Determinants of Terms of trade	
	3.3 Causes of Unfavorable Terms of trade to Developing Countries	
4	Balance of Payments	12
	4.1 Balance of trade and Balance of payments- Concepts	
	4.2 Balance of payments - Components	
	4.3 Disequilibrium of Balance of Payments, Causes and Consequences	
	4.4 Measures to correct Disequilibrium in the Balance of Payments	

Recommended Books -

1. Kenan, P.B. (1994), the International Economy, Cambridge University Press, London.
2. Kindlberger, C.P. (1973), International Economics, R.D. Irwin, Homewood.
3. Krugman, P.R. and M. Obstfeld (1994), International Economics: Theory and Policy, Glenview, Foresman.
4. Salvatore, D.L. (1997), International Economics, Prentice-Hall, Upper Saddle River, N.J.
5. Sodersten, Bo (1991), International Economics, Macmillan Press Ltd., London.
6. International Economics, M.L. Jhingan
7. Bhagwati, J. (Ed.) (1981), International Trade, Selected Readings, Cambridge University Press, Mass.
8. Greenaway, D. (1983), International Trade Policy, Macmillan Publishers Ltd., London.
9. Joshi V. and I.M.D. Little (1998), India's Economic Reforms, 1999-2001, Oxford University Press, Delhi.
10. Panchmukhi, V.R. (1978), Trade Policies of India: A Quantitative Analysis, Concept Publishing Company, New Delhi.
11. Dhage S.K. (2015), International Economics (English Edition) K.S. Publication, Pune.
12. Kulkarni B.D. and Dhamdhare S.V. (2007), International Economics (Antarrashtriya Arthashastra - Marathi Edition) Dimand Publication, Pune.
13. Wavare A. , International Economics (Anatarrashtriya Airthshastra - Marathi Edition) Education Publication, Aurangabad
14. Patel, S.J. (1995), Indian Economy towards the 21st Century, University Press Ltd., India.
15. Rasal, Rajendra, International Economics (Marathi), Success Publication Pune.

Reports:

1. Ministry of Commerce and Industry, Government of India, Recent Annual Report
2. Government of India, Economic Survey Latest
3. Reserve Bank of India, Annual Report

T.Y.B.A. Economics
Special Paper - III: International Economics-II
(Course Code:)

Semester – VI

Preamble:

This course provides the students a thorough understanding and deep knowledge about India's foreign trade and trade policies. The contents of the paper spread over various modules, lay stress both on theory and applied nature of the subject that have registered rapid changes during the last few decade. Besides this, the contents prepare the students to know the foreign exchange market, provisions in FEMA and convertibility of rupee. The paper also covers the Indian government's policy towards foreign capital and role of multinational corporations in India and regional and international co-operation. This paper has become relatively more relevant from the policy point of view under the present waves of globalization and liberalization.

Course Learning Outcomes:

At the end of the course, the learner will have-

- Ability to relate and explain the concept of Exchange Rate and Foreign Exchange Market.
- Ability to describe the trends in Growth, Composition and Direction of India's Foreign Trade.
- Ability to comprehend the issues relating to Foreign Capital and Regional and International Co-Operation.

Unit No.	Name and Sub Titles of the Topic	No. of Lectures
1	India's Foreign Trade and Policy	12
	1.1 Role of Foreign Trade in Economic Development	
	1.2 India's Foreign Trade- Growth, Composition and Direction since 2000	
	1.3 Free Trade v/s Protection - Case For and Case Against	
	1.4 Highlights of India's Foreign Trade policy Since 2015	
	1.5 Evaluation of Policy of Special Economic Zones in Export Promotion	
2	Foreign Capital	12
	2.1 Role of Foreign Capital in Economic Development	
	2.2 Types of Foreign Investment	
	2.3 Foreign Investment Policy in India since 1991	
	2.4 Problems of Foreign Capital	
3	Foreign Exchange	12
	3.1 Exchange Rate : Concept; Fixed & Flexible Exchange Rate -Merits and Demerits	
	3.2 Foreign Exchange Market- Meaning, Structure and Functions	
	3.3 Convertibility of the Rupee	
	3.4 Foreign Exchange Management Act, 1999, Main Provisions	
4	Regional and International Co-operation: Nature and Functions of-	12
	4.1 South Asian Association for Regional Cooperation (SAARC)	
	4.2 Brazil, Russia, India, China and South Africa (BRICS)	
	4.3 European Economic Community (EEC)	
	4.4 World Trade Organization (WTO)	

1. Recommended Books -

2. Kenan, P.B. (1994), the International Economy, Cambridge University Press, London.
3. Kindlberger, C.P. (1973), International Economics, R.D. Irwin, Homewood.
4. Krugman, P.R. and M. Obstfeld (1994), International Economics: Theory and Policy, Glenview, Foresman.
5. Salvatore, D.L. (1997), International Economics, Prentice-Hall, Upper Saddle River, N.J.
6. Sodersten, Bo (1991), International Economics, Macmillan Press Ltd., London.
7. International Economics , M.L. Jhingan
8. Bhagwati, J. (Ed.) (1981), International Trade, Selected Readings, Cambridge University Press, Mass.
9. Greenaway, D. (1983), International Trade Policy, Macmillan Publishers Ltd., London.
10. Joshi V. and I.M.D. Little (1998), India's Economic Reforms, 1999-2001, Oxford University Press, Delhi.
11. Panchmukhi, V.R. (1978), Trade Policies of India: A Quantitative Analysis, Concept Publishing Company, New Delhi.
12. Patel, S.J. (1995), Indian Economy towards the 21st Century, University Press Ltd., India.

Reports:

1. Ministry of Commerce and Industry, Government of India, Recent Annual Report
2. Government of India, Economic Survey Latest
3. Reserve Bank of India, Annual Report

T.Y.B.A. Economics
Special Paper – IV: Public Finance -I
(Course Code:)
Semester – V

Preamble:

The role and functions of the Government in an economy has been hanging with the passage of time. The term 'Public Finance' has traditionally been applied to involve the use of revenue and expenditure measures along with the budgetary policy is an important part to understand the basic problems of use of resources, distribution of Income etc. The course will be useful for students aiming towards careers in the government sector, policy analysis, banking and business. This course would take an overview of government finances with special reference to India. The course aims to introduce the learner to the main concepts in public finance, equip them with an analytical grasp of government taxes: direct and indirect taxes and familiarize students with the main issues in government expenditure and debt.

Objectives:

1. To make students to analyze the role of Public Finance in Economic Development.
2. To know the sources of Revenue, Expenditure and Debt of Govt. of India.
3. To make students competent to become success in competitive examination.

Course Learning Outcomes

At the end of the course the learner will have ability-

- To relate and recognize the Nature and Scope of Public Finance.
- To describe and analyze the concept of Public Revenue and its components.
- To explain types of Public Expenditure and reasons for rising Public Expenditure.
- To explain the types of Public Debt and its effects.

Unit No.	Name and Sub Titles of the Topic	No. of Lectures
1	Introduction to Public Finance	12
	1.1 Meaning, Nature, Scope and Importance of Public Finance	
	1.2 Public Finance versus Private Finance	
	1.3 Role of Public Finance in Economic Development	
	1.4 Principle of Maximum Social Advantage: Musgrave's Approach	
2	Public Revenue	12
	2.1 Sources of Public Revenue	
	2.2 Meaning of Tax, Types of Taxes- Direct Tax and Indirect Tax, Merits and Demerits	
	2.3 Goods and Service Tax: Concept and Characteristics; Need for GST in India	
	2.4 Concepts: Impact of Tax, Incidence of Tax, Shifting of Tax and Taxable Capacity	
3	Public Expenditure	12
	3.1 Meaning and Principles of Public Expenditure	
	3.2 Classification of Public Expenditure	
	3.3 Reason for Increasing Public Expenditure	
	3.4 Wagner's Law of Public Expenditure	

4	Public Debt	12
	4.1 Meaning, Sources and Importance of Public Debt	
	4.2 Methods of Repayment of Public Debt	
	4.3 Burden of Public Debt	
	4.4 The Fiscal Responsibility and Budget Management Act 2003- Highlights	

Recommended Books

1. Andley and Sundaram- Theory and Practice of Public Finance.
2. Bhatia H.L “Public Finance “ Vikas Publishing House, 18th edition
3. Jayaram Hiregange, Deepak Rao (2017), India GST for Beginners, White Falcon Pub.
4. Government of India (2017). GST-Concept and Status
5. Singh S.K, Public Finance in Theory and Practice, S. Chand, New Delhi.
6. Ozerkar S.R.,Rajaswa (Marathi), Vidya Prakashan, Ruikar Marg Nagpur
7. Deo and Zamre, Rajaswa (Marathi) Pimpalpure and Co, Publishers, Nagpur.
8. Buchanan J. M.,, Public Principles of Public debt, Irwin, Homewood, III, USA.
9. Herber, B.P., Modern Public finance, AITBS, New Delhi.
10. Hicks Ursula (1961) “Public Finance” Digswell Place, James Nishbet & Co. Ltd.
11. Musgrave R. A. (1959) “The Theory of Public Finance: A study in Public Economics” McGraw Hill Logakwha Ltd.
12. Musgrave R. A. & Musgrave P. B “Public Finance: In Theory & Practice” McGraw Hill Logakwha Ltd.
13. Prest, A.R. and Barr N.A., Public Finance in Theory and Practice, ELBS, London.
14. Bhadane Jaywant R, (2020) GST Smart Taxation System, International Publication
15. Taylor Philip C (1968) “The Economics of Public Finance” Oxford Univeristy & IBH Publishing Co.
16. Alam, S, (2016) GST and the States, Sharing tax administrations, Economic and Political Weely, 51 (31) (Article)
17. Ministry of Finance, Government of India (Oxford Press), Economic Survey 2020.
18. Dhamdhare S.V. (2019) , Sarvajanic Ayvay (Marathi Edition) ,Dimond Publication,Pune.
19. Khandare Vilas (2004) , Money Banking And Finance, Ravi Printers ,Aurangabad .

Websites:

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- <https://www.gst.gov.in>
- <https://www.incometaxindia.gov.in>

T.Y.B.A. Economics
Special Paper – IV: Public Finance -II
(Course Code:)
Semester – VI

Objectives:

1. To make students able to analyze Budget process of India.
2. To make the students aware about Role and working of Finance Commission.
3. To make students competent to become success in competitive examination.

Course Learning Outcomes

At the end of the course the learner will have ability

- To explain and assess the components and instruments of Fiscal Policy.
- To relate to the concepts of Budget and its components.
- To describe and analyze the concept of Deficit Financing and its effects.
- To describe and explain the Centre and State Financial Relationship.

Unit No.	Name and Sub Titles of the Topic	No. of Lectures
1	Fiscal Policy	12
	1.1 Fiscal Policy- Meaning, Instruments and Objectives	
	1.2 Fiscal Policy in Developing Countries	
	1.3 Limitations of Fiscal Policy	
	1.4 Review of Fiscal Policy in India Since 2011	
2	Budget	12
	2.1 Budget- Meaning, Nature and Objectives	
	2.2 Classification of Budget	
	2.3 Preparation of Indian Central Budget	
	2.4 Gender Budget- Meaning and Importance.	
3	Deficit Financing	12
	3.1 Deficit Financing- Meaning and Objectives	
	3.2 Role of Deficit Financing in Developing Countries	
	3.3 Trends in India's Deficit Financing Since 2011	
	3.4 Effects of Deficit Financing	
4	Centre-State Financial Relationship	12
	4.1 Centre-State Financial Relationship: Constitutional Provisions	
	4.2 Conflict in the Centre-State Financial Relationship	
	4.3 Role of the Finance Commission	
	4.4 Recommendations of 15 th Finance Commission	

Recommended Books

1. Andley and Sundaram- Theory and Practice of Public Finance.
2. Bhatia H.L “Public Finance “ Vikas Publishing House, 18th edition
3. Jayaram Hiregange, Deepak Rao (2017), India GST for Beginners, White Falcon Pub.

4. Government of India (2017). GST-Concept and Status
5. Bhadane Jaywant R, (2020) GST Smart Taxation System, International Publication
6. Singh S.K, Public Finance in Theory and Practice, S. Chand, New Delhi.
7. Ozerkar S.R.,Rajaswa (Marathi), Vidya Prakashan, Ruikar Marg Nagpur
8. Deo, and Zamre, Rajaswa (Marathi) Pimpalpure and Co, Publishers, Nagpur.
9. Buchanan J. M., Public Principles of Public debt, Irwin, Homewood, III, USA.
10. Herber, B.P., Modern Public finance, AITBS, New Delhi.
11. Hicks Ursula (1961) “Public Finance” Digswell Place, James Nishbet & Co. Ltd.
12. Musgrave R. A. (1959) “The Theory of Public Finance: A study in Public Economics” McGraw Hill Logakwha Ltd.
13. Musgrave R. A. and Musgrave P. B “Public Finance: In Theory & Practice” McGraw Hill Logakwha Ltd.
14. Prest, A.R. and Barr N.A., Public Finance in Theory and Practice, ELBS, London.
15. Taylor Philip C (1968) “The Economics of Public Finance” Oxford University and IBH Publishing Co.
16. Alam, S, (2016) GST and the States, Sharing tax administrations, Economic and Political Weely, 51 (31) (Article)
17. Ministry of Finance, Government of India (Oxford Press), Economic Survey 2020.
18. Khandare Vilas ,Povale ,Takale,(2012) , Economics Of Agriculture Development ,Omkar Printers, Aurangabad.
19. Dhamdhare S.V. (2019) , Sarvajanic Ayyavay (Marathi Edition) ,Dimond Publication,Pune.

Websites:

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<https://www.gst.gov.in>

<https://www.incometaxindia.gov.in>

**T.Y.B.A. Economics
Skill Enhancement Course
Business Management**

Sem ester	CC Paper	Paper No.	Name of Paper	Lectures / Week	Total Lect.	CA Marks	ESE Marks	Total	No. of Credits
V	SEC -III SEC-3A		Business Management- I	03	30	15	35	50	2
VI	SEC -IV SEC-3A		Business Management - II Project	03	30	15	35	50	2

SEC -Skill Enhancement Course; CC -Core Course; CA - Continuous Assessment;
ESE -End of Semester Examination

**T.Y.B.A. Economics
Skill Enhancement Course
SEC 3A: Business Management-I
(Course Code:)
Semester – V**

Course Learning Outcomes:

At the end of the Course, the Learner will have the following skills:

- Management of Business.
- Business planning and decision making
- Leadership Skills- Ability to work in teams at the same time, ability to show leadership qualities

Unit No.	Name and Sub Titles of the Topic	No. of Lectures	Skill Enhancement Exercises
1	Business Management	6	<ul style="list-style-type: none"> • Discussion/ Practical/ Field Study
	1.1 Nature and Scope of Management		
	1.2 Characteristics of Management		
	1.3 Need & Importance of Study of Management		
	1.4 Process of Management		
2	Business Planning and Decision Making	6	<ul style="list-style-type: none"> • Case Studies / Mini Projects / Individual /Team Presentations. • Practical Exercises in Decision Making Process/ Problem Solving
	2.1 Nature of Planning		
	2.2 Steps in Planning Process		
	2.3 Types of Business Planning		
	2.4 Study of Planning Process		
	2.5 Steps in Decisions Making Process		
	2.6 Factors affecting decision Making		

3	Schemes of Government : Make in India Start-up India Stand up India Mudra Loans Dairy Management Scheme Fruits Management Development Programme Agriculture Products Sell Management	6 2 + 2 Guest Lecture	<ul style="list-style-type: none"> • Visit to SSS/ Interview with Mudra Beneficiary. • Study of Street Vendors/ Hawkers/ Mini Enterprises etc. • Exhibitions Business Plan Ideas Competitor
4	Workshop: Workshop on Entrepreneurship Development Training Programme	8	2 -Half-Day Work - shops -4 hours each OR 1- One Day Workshop - 8 hours

Recommended Books

1. Stephen R. Covey, The 7 Habits of Highly effective People (1989), Guerilla Marketing.
2. Harvard Business Review, Management Tips, hbr.org/books.
3. Pandey, I.M. Financial Management, Persons 12th edn.
4. Saksena, S.C., Principles of Business Management (2019), Sahitya Bhawan Publi.Agra.
5. Kalkar Parag and Ajinath Doke, Vyavsay Vyavsthapan, Nirali Prakashan, Pune.
6. Vasistha, Neeru, Principles of Management, Taxmann.
7. Hannagan, Tim. Management Concepts and Practices, Macmillan India Ltd.
8. Government of India, Official Websites.

T.Y.B.A. Economics
Skill Enhancement Course
SEC-3A: Business Management-II (Project Report)
(Course Code:)
Semester – VI

Course Learning Outcomes:

At the end of the Course, the Learner will have the following skills:

- Analytical Skills – Ability to analyze data collected and interpret in the most logical manner
- Project Report Writing Skills- Ability to comprehend and illustrate/demonstrate findings
- Presentation Skills – PPT/Poster- Ability to illustrate findings in the most appealing manner
- Leadership Skills: Ability to show leadership skills with business ideas or work on business ventures as a practical example

Unit No.	Name and Sub Titles of the Topic	No. of Lectures	Skill Enhancement Exercises
1	Case Study	2	Preview to Students for Project Report
	Guest Lecture – Local Entrepreneur – Success Stories / Struggles/ Historical Reviews/ Start-ups, etc		
2	Project Interim Presentation	14	Initial Mid Semester Presentation (15 marks)
	Detailed Study of ANY Business Enterprise under the Guidance of Subject Teacher OR Presentation of a Business Idea		
3	Project Final Presentation	14	Final Presentation Viva (35 Marks) Int. Examiner - 10 Ext. Examiner - 10 Report- 15
	Presentation with PPT or Poster or Exhibition of Business Ideas/ Reports		

Recommended Books

1. Stephen R. Covey, The 7 Habits of Highly effective People (1989), Guerilla Marketing.
2. Harvard Business Review, Management Tips, hbr.org/books.
3. Pandey, I.M. Financial Management, Persons 12th Edn.
4. Saksena, S.C., Principles of Business Management (2019), Sahitya Bhawan Publi.Agra.
5. Kalkar Parag and Ajinath Doke, Vyavsay Vyavsthapan, Nirali Prakashan, Pune.
6. Vasistha, Neeru, Principles of Management, Taxmann.
7. Hannagan, Tim. Management Concepts and Practices, Macmillan India Ltd.
8. Government of India, Official Websites.



Savitribai Phule Pune University, Pune

Faculty of Humanities

T.Y.B.A. in History

Choice Based Credit System Syllabus

To be implemented from the Academic Year 2021-2022

Savitribai Phule Pune University, Pune.

Faculty of Humanities

Structure of Choice Based Credit System for Undergraduate Program to be Implemented from Academic Year 2021-2022

Subject: - T.Y.B.A. History Structure Academic Year 2021-2022

Semester	Core Courses (CC)	Skill Enhancement Course (SEC)	Discipline Specific Elective Courses (DSE)
V	CC- 3(3) Indian National Movement (1885-1947)	SEC 2 C (2) 9.South Indian Art and Architecture 10.Research Paper Writing 11.Museology	DSE-3 C (3) 7.Introduction to Historiography
	History of Civilization – World Civilization Part I		DSE-4 D (3) 8.Maharashtra in the 19 th Century OR 9.Constitutional Developments in India 1773 to 1853
VI	CC- 4(3) India After Independence- (1947-1991)	SEC 2 D (2) 12. Heritage management 13.Archaeology 14.Numismatics	DSE-3 C (3) 10 Applied History
	History of Civilization –World Civilization Part II		DSE-4 D (3) 11 Maharashtra in the 20 th Century OR Constitutional Developments in India 1858 to 1950

Savitribai Phule Pune University, Pune
Proposed Syllabus in History for T.Y.B.A. (Credit system)
From the Academic Year 2021-22
Under the Faculty of Humanities
Core Course 3 :(3 Credit)
Semester V: Course Title: - Indian National Movement (1885-1947)

Learning Objectives:

1. The course is designed to make the students aware about the making of Modern India and the struggle for independence.
2. To make the students aware of the multi-dimensionality of Modern India.
3. To highlight the ideas, institutions, forces and movements that contributed to be shaping of Indian Modernity.
4. To acquaint the students with various interpretative perspectives.

Learning Outcomes:

1. It will enable students to develop an overall understanding of Modern India.
2. It will increase the spirit of healthy Nationalism, Democratic Values and Secularism among the Students.
3. Students will understand various aspects of the Indian Independence Movement and the creation of Modern India.

Pedagogy: Lectures / Visual Presentation / Critical Analysis / Assignments / Test/ e-learning

Unit I: Rise and Growth of Indian Nationalism **12**

- a) Causes for the Rise of Indian Nationalism
- b) Foundation of Indian National Congress.
- c) Moderate Nationalists and Assertive Nationalists
- d) Revolutionary Nationalists.

Unit II: Mass Movement **9**

- a) Non Co-Operation Movement.
- b) Civil Disobedience Movement.
- c) Quit India Movement.

Unit III: Towards Independence and Partition. **12**

- a) Two Nation Theory: Establishment of Muslim League and Hindu Mahasabha, Growth of Communalism, Genesis of Pakistan.
- b) Indian National Army.
- c) Transfer of Power: The Cripps Mission, The Cabinet Mission, The Mountbatten Plan, Indian Independence Act and Partition.

- a) Peasant Movement.
- b) Workers Movement.
- c) Dalit Movement.
- d) Women's Movement.
- e) Tribal Movement.

Reference Books:

English

- 1.Chandra Bipan, Mukherjee Mridula, Mukherjee Aditya, Panikkar K.N. and Mahajan Sucheta- India's struggle for Independence, Penguin Books(India),1990.
- 2.Chandra Bipan, Essays on Contemporary India, Har- Anand publication, New Delhi, 1993.
- 3.Chandra Bipan - The Rise and Growth of Economic Nationalism in India People's Publishing House, New Delhi,1966.
- 4.Desai A.R. - Social Background of Indian Nationalism, Popular Prakashan, Bombay, 1984.
- 5.Dodwell H.H. - Cambridge History of India Vol V, VI
- 6.Dutt R.C. - Economic History of India Vol 1,2, London, 1901 reprint Government of India press, Nashik, 1960.
- 7.Guha Ramchandra (ed.), Makers of Modern India, Penguin group, New Delhi, 2010.
- 8.Gopal S. - British policy in India 1858-1905, Cambridge University Press, 1965.
- 9.Mujumdar R. C., History of the freedom movement in India, Vol. I-III.
- 10.Mujumdar R.C. (ed.) The History and Culture of the Indian People Vol. I - IX British paramountcy and Indian Renaissance Vol IX.
- 11.Menon V.P. - The Transfer of power in India Princeton University Press,1957.
- 12.Moon Vasant, Dr Babasaheb Ambedkar writing and speeches Government of Maharashtra, Bombay.
- 13.Sarkar Sumit, - Modern India :1885 - 1947, Macmillan India Ltd., Madras, 1986.
- 14.Sarkar Sumit - Bibliographical survey of social Reform movement in the 18th &19th century (ICHR 1975).
- 15.Tara Chand - History of freedom Movement, Vol. I - IV publication Division, Ministry of Information and Broadcasting, Government of India, New Delhi,1983.

संदर्भग्रंथ- मराठी:

१. आंबेडकर बाबासाहेब, पाकिस्तान अर्थात भारताची फाळणी, (अनु.दीपक पंचभाई) प्रबुद्धभारत पुस्तकालय, नागपूर, २०१८.
२. कदम मनोहर, भारतीय कामगार चळवळीचे जनक: नारायण मेघाजी लोखंडे, अक्षर प्रकाशन, २००२.
३. केतकर कुमार, कथा स्वातंत्र्याची (महाराष्ट्र), पुणे, १९८५.
४. गर्गे स. मा., भारतीय समाज विज्ञान कोश, खंड १ ते ४, मेहता पब्लिशिंग हाऊस, पुणे, २००७ .
५. चपळगावकर नरेन्द्र, तीन न्यायमूर्ती आणि त्यांचा काळ, मौज प्रकाशन, मुंबई, २०१०.
६. चंद्र बिपन, मुखर्जी, पण्णीकर, महाजन, इंडियाज स्ट्रगल फॉर इंडिपेंडेंस, (अनु.) काळे एम.व्ही. भारताचा स्वातंत्र्य संघर्ष, के. सागर पब्लिकेशन्स, पुणे, २००३.

७. चौसाळकर अशोक, महात्मा फुले आणि शेतकरी चळवळ, लोकवाङ्मयगृह, मुंबई, २००७.
८. जावडेकर आचार्य श.द., आधुनिक भारत, कॉन्टिनेन्टल प्रकाशन, पुणे, १९९४.
९. तळवळकर गोविंद, सत्तांतर : १९४७, मौज प्रकाशन, मुंबई, १९९७.
१०. दत्त आर. पी. अनु. आवटे लीला, भारत आजचा आणि उद्याचा, लोकवाङ्मयगृह, मुंबई, १९८६ .
११. दत्त आर. पी., इंडिया टुडे, अनु., देवधर य. ना., आजकालचा भारत, डायमंड पब्लिकेशन, पुणे, २००६

Savitribai Phule Pune University, Pune
Proposed Syllabus in History for T.Y.B.A. (Credit system)
From the Academic Year 2021-22
Under the Faculty of Humanities
Core Course 3: History of Civilization (3 Credit)
Semester V Course Title: - World Civilization and Heritage (Part I)

Course Objectives:

- 1.To Introduce students to the various concept and theories of World Civilization.
- 2.To study the types of Stone Culture and its various aspects.
- 3.To acquaint the students with rise and growth of Ancient Civilization in West Asia.
- 4.To understand about Ancient Civilization of China and its various parts.
- 5.To enable the students to understand the Ancient Indian Civilization and its town planning, socio-economic, religious life as well as Vedic Civilization.

Course Outcomes:

1. Students will be aquanaut with the knowledge of how the Human Civilization process was start
2. The History of World Civilization course will be developing the curiosity in students the rise and growth of Ancient Civilization in world.
3. This curriculum develops the attitude of contemporary students towards the World Civilization.

Pedagogy: Lectures / Visual Presentation / Critical Analysis / Assignments / Test/ e-learning

Course Content

Unit I: Stone Age Culture

12

- a) Evolution of Human
- b) Types of Stone Age – Palaeolithic Age, Mesolithic Age, Neolithic Age
- c) Food Production, Primitive Agriculture and Village Settlement

Unit II: Ancient Civilization in West Asia

12

- a) Egypt – Government, Socio-Economic Life, Art and Architecture
- b) Mesopotamia - Socio-Economic Life, Art and Architecture
Religion and Literature.
- c) Contribution of Egyptian and Mesopotamian Civilization to World History

Unit III: Ancient Civilization of China

10

- a) Social Structure and Economy
- b) Religion and Philosophy
- c) Art and Architecture

Unit IV: Ancient Indian Civilization

11

- a) Harappan Civilization – Town Planning, Socio –Economic and Religious Life, Art and Craft, Decline
- b) Vedic Civilization–Vedic Literature, Socio-Economic life, Cultural and Religious belief
- c) Contribution of Harappan and Vedic Civilization

Reference Book

English

1. Bowel, John, Man through the Ages, Weidenfeld and Nicolson, London, 1977.
2. Craig, A.M., Graham, W.A., Kagan, D., Ozment, S., and Turner, F.M., The Heritage of World Civilization, 2 vols. Macmillan, 1986.
3. Davies H.A., An outline History of the World, Oxford University Press, London, 1964. (Fourth edition).
4. Durant Will, the Study of Civilization, Vol.I, (Our Oriental Heritage).
5. George W. Southgate, an Introduction to World History, J.M. Dent & Sons Ltd. London, 1956.
6. Lucas, Henry, A short History of Civilization
7. Platt & Drummond, Our World through the Ages, Prentice-Hall, New- York, 1959.
8. Sood Vishal, Ancient Civilizations of the World, ABH Publishing Corporation, New Delhi, 2012.
9. Thapar Romila, India: From the origins to AD 1300, Penguin.

मराठी

१. कुलकर्णी. अ. रा., पी. एन. देशपांडे व अ. म. देशपांडे, संस्कृतीचा इतिहास, सुविचार प्रकाशन मंडळ, पुणे, १९७७
२. कुलकर्णी. अ. रा. प्राचीन भारत-इतिहास आणि संस्कृती
३. जोशी लक्ष्मणशास्त्री, वैदिक संस्कृतीचा विकास
४. नाईकनवरे वैजयंती, प्राचीन समाज, फडके प्रकाशन, कोल्हापूर, २००८
५. पवार जयसिंगराव, मानव जातीचा इतिहास, अजब पुस्तकालय, कोल्हापूर, १९७२
६. सांझगिरी प्रभाकर, मानवाची कहाणी, पी. पी. एच. मुंबई १९६०

Savitribai Phule Pune University, Pune
Proposed Syllabus in History for T.Y.B.A. (Credit system)
From the Academic Year 2021-22
Under the Faculty of Humanities
Discipline Specific Elective Courses (DSE-3C)- (3 Credit)
Semester –V Course Title: Introduction to Historiography

Objectives:

1. To orient students about how History is studied, written and understood.
2. To explain methods and tools of data Collection
3. To study the types of Indian Historiography.
4. To describe importance of Inter-Disciplinary Research.
5. To introduce Students to the basics of Research.

Course Outcomes:

1. Students will be introduced to the information and importance of Historiography.
2. Students will be introduced to the different Methods and Tools of data collection.
3. Students can study the interdisciplinary approach of History .
4. Students will learn about the usefulness of History in the 21st century, its changing perspectives, the new ideas that have been invented, and the importance of History in a competitive World.
5. This curriculum develops Research ability and process of Research Methodology in History

Pedagogy: Lectures / Visual Presentation / Critical Analysis / Assignments / Test/ e-learning

Course Content:

Unit -I: Meaning and Scope of History

11

- a) Definition, Nature & Scope of History
- b) History and Social sciences
(Political science, Geography, Economics, Sociology)

Unit -II: Sources of Historical Research **10**

- a) Primary, Secondary and Oral sources.
- b) Written, Unwritten.
- c) Importance of Sources.

Unit -III: Preliminary Operations **12**

- a) Problem Formulation
- b) Objectives
- c) Hypotheses, Research Methods

Unit -IV: Synthetic Operations **12**

- a) External Criticism
- b) Internal Criticism
- c) Interpretation, Foot Note
- d) Organizing Research Work, Statistical Data, Outcomes and Bibliography.

Reference Books

English

1. Avneri S., Social and Political Thought of Karl Marx, Cambridge, 1968.
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3. Cannadinen David (Ed.), What is History Now? Palgrave Macmillan, Basingstoke, 2002.
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१. कार.ई .एच.,अनुवाद .प्रा.वि.गो.लेले ,इतिहास म्हणजे काय ,कॉन्टीनेन्टल प्रकाशन ,पुणे ,३०.
२. गर्गे स.मा ,इतिहासाची साधने:एक शोध यात्रा ,पॉप्युलर प्रकाशन ,मुंबई ,१९९४.
३. कोठेकर शांता ,इतिहास तंत्र आणि तत्वज्ञान ,श्रीसाईनाथ प्रकाशन ,नागपूर ,२००५.
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५. सरदेसाई बी.एन ,इतिहास लेखनशास्त्र,फडके प्रकाशन ,कोल्हापूर ,२००२.
६. देशमुख प्रशांत ,इतिहासाचे तत्वज्ञान ,विद्या बुक पब्लिशर्स ,औरंगाबाद ,२००५.
७. गायकवाड ,सरदेसाई ,हनमाने ,ऐतिहासिक कागदपत्रे व स्थळे यांचा अभ्यास ,फडके प्रकाशन ,कोल्हापूर,१९८९
८. वळसंगकर कृ.ना,इतिहास विचारतरंग ,कॉन्टीनेन्टल प्रकाशन ,पुणे ,१९७४.
९. ढवळीकर मधुकर ,पुरातत्वविद्या ,म.रा.सा.सं.मं.मुंबई ,१९८०.
- १०.खोबरेकर वि .गो ,.महाराष्ट्रातील दप्तरखाने ,महाराष्ट्र राज्य साहित्य आणि सांस्कृतिक मंडळ ,मुंबई ,१९८८ .
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Savitribai Phule Pune University, Pune
Proposed Syllabus in History for T.Y.B.A. (Credit system)
From the Academic Year 2021-22
Under the Faculty of Humanities
Discipline Specific Elective Courses (DSE-4D)- (3) Credit
Semester –V Course Title: Maharashtra in the 19th Century

Course Objectives:

1. To Introduce the students to the history of 19th century in Maharashtra
2. To study Political, Social, Economic and conceptual History of the 19th Century Maharashtra in an analytical way with the help of primary sources.
3. To evaluate contribution of 19th century in Maharashtra to the establishment of Maharashtra state contribution of successors and later development of the 19th century Maharashtra
4. To study Socio-religious System of the 19th Century in Maharashtra.

Course Outcomes:

1. Student will develop the ability to analyse sources for 19th century Maharashtra History.
2. Student will learn significance of Regional History and Socio- religious reformism foundation of the region.
3. It will enhance their perception of 19th Century Maharashtra.
4. Appreciate the skills of leadership and the Socio-religious System of the Maharashtra.

Pedagogy:

Lectures / Visual Presentation / Critical Analysis / Assignments / Test/ e-learning.

Course Content:

Unit-I. Foundation of British Power in Maharashtra 9

- a) Background
- b) British Administration.
- c) Impact of British Power in Maharashtra.

Unit-II. Reformism in Maharashtra 16

- a) Contribution of Intellectuals –Balshastri Jambhekar, Jagannath Shankarsheth Gopal Hari Deshmukh (Lokhitwadi) ,Mahatma Jyotiba Phule

b) Institutional Experiments-Paramahansa Mandali, Prarthana Samaj, Satyashodhak Samaj, Sarvajanik Sabha

Unit-III. Uprising and Political Agitation

12

a) Local Uprisings

(Uprising of Ramoshi, Bhill, Koli, Revolt of 1857 and Deccan Riots (1875))

b) Rise of Nationalism (Indian National Congress, Moderate, Nationalist)

Unit-IV. Economic Transformation in Maharashtra

8

a) Economic Exploitation

b) Revenue (Rayatwari system)

c) Commercialization of Agriculture.

d) Economic Thought –Brief Survey

Reference Books

English:

1. Ballhatchet Kenneth, Social Policy and Social Change in Western India. 1817-1830, OUP, 1961.
2. Nurullah Syed and Naik J.P. A History of Education in India (During the British Period) Macmillan and Co.Ltd. Bombay, 1951.
3. Paranjpe Shrikant, Dixit Raja and Das C.R. Western India: History Society and Culture, Itihas Shikshak Mahamandal, Maharashtra, Pune-1997.
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२. कीर धनंजय, महात्मा ज्योतिराव फुले आमच्या समाज क्रांतीचे जनक, पॉपुलर प्रकाशन, मुंबई.२०१२
३. कुलकर्णी शिल्पा, महाराष्ट्राचे समाज सुधारक, डायमंड प्रकाशन, पुणे.२०१२
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५. केतकर कुमार, कथा स्वातंत्र्याची, ग्रंथाली प्रकाशन, पुणे.१९८५
६. गरुड अण्णासाहेब, सावंत बी.बी. महाराष्ट्रातील समाज सुधारणा चळवळीचा इतिहास, कैलास पब्लिकेशन, औरंगाबाद १९८६
७. गर्गे एस. एम. गोपाळ गणेश आगरकर, नॅशनल बुक ट्रस्ट इंडिया, न्यू दिल्ली. १९९६

८.चौसाळकर अशोक, महर्षी विठ्ठल रामजी शिंदे यांचे धर्मविषयक विचार लोकवाडमय गृह प्रकाशन मुंबई.२००९

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१०. जावडेकर आचार्य, आधुनिक भारत, कॉन्टिनेन्टल प्रकाशन, पुणे.२०१०

११.दीक्षित राजा. एकोणिसाव्या शतकातील महाराष्ट्रातील मध्यम वर्गाचा उदय, डायमंड प्रकाशन, पुणे.२००९

१४. धर्माधिकारी ए. बी. महाराष्ट्रातील समाज सुधारक, चाणक्य मंडळ परिवार प्रकाशन, पुणे. २००७

१६. नंदा बलराम (अनु.), वसंत पळशीकर, गोपाळ कृष्ण गोखले, ब्रिटीश राजवट व भारतीय नेमस्त युग, पुणे १९८६

१७. नरके हरी ,फडके य.दि. महात्मा फुले गौरव ग्रंथ, महाराष्ट्र राज्य शिक्षण विभाग, मुंबई. १९९३

१८. पवार जयसिंगराव, राजश्री शाहू स्मारक ग्रंथ, महाराष्ट्र इतिहास प्रबोधनी, कोल्हापूर. १९९९

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२०. फाटक एन.आर. न्यायमूर्ती महादेव गोविंद रानडे यांचे चरित्र, नीलकंठ प्रकाशन, पुणे. १९६६

२१.फडकुले निर्मलकुमार, लोकहितवादी कार्य आणि कर्तृत्व, कॉन्टिनेन्टल प्रकाशन, पुणे.१९७३

२२.बगाडे उमेश, महाराष्ट्रातील प्रबोधन आणि वर्गजाति प्रभुत्व, सुगावा प्रकाशन, पुणे. २००६ ,

२४.भोळे भा. ल. भारतीय राजकीय विचारवंत, पिंपलापुरे अंड कं.पब्लिशर्स,नागपूर. २०१८

२५.भोळे भास्कर लक्ष्मण, महात्मा ज्योतिराव फुले वारसा आणि वसा, साकेत प्रकाशन, औरंगाबाद.२००१

२६.पंडित नलिनी , महाराष्ट्रातील राष्ट्रवादाचा विकास, मॉडर्न बुक डेपो, पुणे.१९७४

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३२ सरदार जी. बी. महात्मा फुले व्यक्ति आणि विचार, ग्रंथाली प्रकाशन. पुणे .

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Savitribai Phule Pune University, Pune
Proposed Syllabus in History for T.Y.B.A. (Credit system)
From the Academic Year 2021-22
Under the Faculty of Humanities
Discipline Specific Elective Courses (DSE-4D)- (3) Credit

Semester -V Course Title- Constitutional Development in India (1773-1853)

Course Objectives:

1. To Introduce the students to evolution of Constitution of India.
2. To study Factors and Situations that shaped the Constitutions.

Course Outcomes:

1. Students will understand evolution of Constitution of India.
2. Student will learn factors and conditions that contributed to constitution of India
3. Students will understand the Democratic Processes and thereby strengthen Democracy.

Pedagogy:

Lectures / Visual Presentation / Critical Analysis / Assignments / Test/ e-learning

Course Content:

Unit-I: Introduction. 10

- a) Establishment of East India Company and its success in India
- b) Structure of East India Company
- c) Dual Government in Bengal: Background, Nature and Evaluation

Unit-II: Regulation on East India Company 15

- a) Causes of Regulation on East India Company
- b) Regulating Act of 1773-Background, Provisions, Evaluation.
- c) Pitt's India Act of 1784 -Background, Provisions, Evaluation

Unit-III: Constitutional Development from 1784 to 1813

10

- a) The Charter Act of 1793-Background, Provisions, Evaluation
- b) The Charter Act of 1813- Background, Provisions, Evaluation.

Unit-IV: Constitutional Development from 1833 to 1853

10

- a) The Charter Act of 1833- Background, Provisions, Evaluation
- b) The Charter Act of 1853- Background, Provisions, Evaluation

Reference Books

English:

1. Keith A.B.; A Constitutional History of India (1600-1935), Pacific Publication o Andesite Press, India
2. Sethi R.R. and Mahajan V.D.; Constitutional history of India, S. Chand Publication, New Delhi
3. Chhabra G.S.; Advanced study in the Constitutional History of India (1773-1947), New Academic Publishing Company, Jullundur, India
4. Sikri S.L.; A Constitutional History of India, S. Nagin and Company, Jullundur, India
5. Jayapalan N.; Constitutional History of India, Atlantic publication, India
6. Mishra V.B.; Evolution of the Constitutional History of India (1773-1947), South Asia books, India
7. Khan M.M.; Constitutional History of India, Wisdom Press, Darya Ganj, New Delhi
8. Pylee Dr. M.V.; Constitutional History of India, S. Chand Publication, Darya Ganj, New Delhi
9. Aggarwala R.N.(Dr.); National Movement and Constitutional Development of India, Metropolitan Book Co. (P) Ltd. Delhi
10. Bhatnagar M. and R.C. Agarwal; Constitutional Development and National Movement, S. Chand Publishing, New Delhi

मराठी

१. जोशी पद्माकर लक्ष्मीकांत ; भारताचा संवैधानिक इतिहास, विद्या प्रकाशन, नागपूर, १९९६.
२. भोगले शांताराम; भारतीय राष्ट्रीय आंदोलने आणि घटनात्मक विकास, विद्या प्रकाशन, नागपूर, १९९६ .
३. एस. गोपाल आणि सरोज देशपांडे; ब्रिटीशांची भारतातील राजनीती, डायमंड पब्लिकेशन, पुणे, २००६ .
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हिंदी

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Savitribai Phule Pune University, Pune
Proposed Syllabus in History for TYBA (Credit System)
Form the Academic Year 2021-2022
Under the Faculty of Humanities
Skill Enhancement Courses (SEC 2 C) – (2 Credits)

Notes:

- 1. The University Grants Commission has made it compulsory for students to earn two credits from a Skill Enhancement Course (SEC) in each semester second year onwards.**
- 2. It is mandatory for the student to complete one Skill Enhancement Course (SEC) in each semester from Semester V to Semester VI.**
- 3. It must be noted that student has to choose any one of the three Skill Enhancement Courses (SEC) for each Semester.**
- 4. Each Skill Enhancement Course (SEC) will have two (2) credits only.**

Savitribai Phule Pune University, Pune
Proposed Syllabus in History for TYBA (Credit System)
Form the Academic Year 2021-2022
Under the Faculty of Humanities
Skill Enhancement Courses (SEC 2 C) – (2 Credits)
Semester V: -SEC: 9 Course Title: South Indian Art and Architecture
(From 4th Century A.D. to 12th Century A.D.)

Objectives:

1. To acquaint the students, the Arts and Architecture of South India.
2. To acquaint the students, the and development of the Arts and Architecture of South India.
3. To enable the students to understand the Process of development of the Arts and Architecture of South India.
4. To create an interest among the students for the study of Arts and Architecture of South India.

Course Outcomes:

1. Students will get an overall understanding of the development of the Art and Architecture in South India.
2. They will understand the changing patterns of the Art and Architecture in South India.
3. They will understand the impact of Persian Art on Islamic Art and Architecture in South India

Unit. I- Introduction to Panting **10**

- a) Ajanta Painting.
- b) Lipasakhi Painting.

Unit. II - Introduction to Sculpture **10**

- a) Mahabalipuram.
- b) Badami

Unit.III- Introduction to Architecture **10**

- a) Pattukel ,Velur
- b) Tanjavur, Vesara

Reference Books

English

1. Rowland B., Art and Architecture Of India, Penguin Book, London, 1967.
2. Agarwal, O. P. Ed. Conservation of Cultural Properties in India, New Delhi, 1967-68.
3. Brown, Percy, Indian Architecture, 2 Vols., Bombay, 1959.
4. Deglurkar, G. B. Temple Architecture and Sculpture of Maharashtra, Nagpur, 1974.
5. Fletcher, Bannister, A History of Architecture, 17th Ed., London, 1961.
6. Fergusson, James, History of Indian and Eastern Architecture, 2 Vols., Delhi, 1967.
7. Kramrisch, Stella, The Hindu Temple, 2 Vols., Delhi, 1980.
8. Sastri, K. A. N. The Culture and History of the Tamils, Calcutta, 1964.
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Savitribai Phule Pune University, Pune
Proposed Syllabus in History for TYBA (Credit System)
Form the Academic Year 2021-2022
Under the Faculty of Humanities
Skill Enhancement Courses (SEC 2 C) – (2 Credits)
Semester V -SEC -:10 Research Paper Writing

Objectives

1. To describe importance of Inter-Disciplinary Research.
2. To introduce students to the Basics of Research.
3. To Describe the Research Outline

Course Outcomes:

1. Students will be introduced to the information and importance of Historiography.
2. Students can study the interdisciplinary approach History .
3. This curriculum Will help to develop Research ability and Process of Research Paper Writing in History

Unit-I: Formulation of Problem 10

- a) Survey of Literature.
- b) Gaps in Existing Research
- c) Research Question to bridge the gaps

Unit-II: Research Procedures 10

- a) Research Design and its Implementation
- b) Source Collection, Close Reading, Criticism
- c) Grouping and Classification of Sources

Unit-III: Findings and Reporting 10

- a) Drawing Conclusions based on available data
- b) Writing a Research Report
- c) Footnotes and Bibliography for acknowledging the credit of others

Reference Books

English

1. Barnes H.E., *History of Historical Writing*, Dover, New York, 1963.
2. Cannadine David (Ed.), *What is History Now?*, Palgrave Macmillan, Basingstoke, 2002.
3. Carr E.H., *What is History*, Penguin Books, Harmonds worth, 1971.
4. Chitnis K.N., *Research Methodology in History*, Pune.
5. Elton G.R., *Practice of History*, Blackwell, London, 2001.
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१. आठवले सदाशिव, इतिहासाचे तत्वज्ञान, प्रज्ञा प्रकाशन, वाई, १९८८.
२. कार इ.एच., इतिहास म्हणजे काय? कॉन्टीनेन्टल प्रकाशन, पुणे, १९९८
३. कुलकर्णी अ.रा. मराठ्यांचे इतिहासकार, डायमंड पब्लिकेशन्स, पुणे, २००९
४. कोठेकर शांता, इतिहासाचे तंत्र आणि तत्वज्ञान, साईनाथ प्रकाशन नागपूर, २००५
५. खरे ग.ह. संशोधांकाचा मित्र, भारत इतिहास संशोधन मंडळ, पुणे, १९७०.
६. गर्गे स.मु. इतिहासाची साधने: एक शोधयात्रा पॉप्युलर प्रकाशन, मुंबई, २०००.

Savitribai Phule Pune University, Pune
Proposed Syllabus in History for TYBA (Credit System)
Form the Academic Year 2021-2022
Under the Faculty of Humanities
Skill Enhancement Courses (SEC 2 C) – (2 Credits)
Semester V -SEC: 11 Course Title: - Museology

Objectives:

1. To acquaint the students with the rise and development of Museum.
2. To impart to the students an understanding of the importance of material history through Museum.
3. To encourage the students to collect the material or sources of History for local, regional and National History through Museum.
4. To enable the students to collect Various Articles as a tool of History.

Course Outcomes:

1. The Students will understand the Concepts of Museum and learn the basic Principles of Museology
2. The Students will gain Comprehensive Knowledge of the Process of Cringe and Conserving Museum of objects

Unit-I: Introduction

10

- a) Definition
- b) History of Museum
- c) Importance of Museum

Unit-II: Main Museums in Maharashtra.

10

- a) Museums before Independence
- b) Museums after Independence
- c) Role of Curator

Unit-III: Types of Museums

10

- a) Arts Museums
- b) Historical Museums.

Reference Books

English

1. Agarwal, O. P. *Conservation of Manuscripts and Paintings of South-East Asia*, London, 1984.
2. Agarwal, Usha, *Directory of Museums in India*, New Delhi, 2000.
3. Bartz, Bettina Optiz, Helmut Richter, Elizabeth, Eds., *Museums of the World*, 1992.
4. Bornham, Bonnie, *Protection of Cultural Property: A Handbook of National Legislation*, Paris, 1974.
5. Coleman, L. V. *Museum Buildings, Vol. I*, Washington, 1950.
6. Coleman, L. V. *The Museums in America, 3 Vols.*, Washington, 1939.
7. Edson, Gary Dean, David, *The Handbook of Museums*, 1994.
8. Hudson, Kenneth Nicholls, Ann, Eds., *World Directory of Museums*, New York, 1975.
9. International Council of Museums, *Directory of Museums in the Arab Countries*, London, 1995.
10. Knell, Simon, Comp. and Ed., *A Bibliography of Museum Studies*, 1994.
11. Sarkar, H. *Museums and Protection of Monuments and Antiquities in India*, Delhi, 1981.
12. Woodhead, Peter Stansfield, Geoffrey, *Key Guide to Information Sources in Museum Studies*, 1994.

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Savitribai Phule Pune University, Pune
Proposed syllabus in History for TYBA (Credit system)
From the Academic Year 2021-22
Under the Faculty of Humanities
Core Course 4 (3 Credit)
Semester VI: Course Title: - India After Independence- (1947-1991)

Objectives:

1. To make the students aware about the making of Contemporary India and events that panned out in the Post-Independence Era.
2. To make the students aware of the Multi-Dimensionality of Modern India.
3. To highlight the ideas, institutions, forces and movements that contributed to the shaping of Indian Modernity.
4. To acquaint the students with various Interpretative and Analytical perspectives.

Course Outcomes:

1. It will enable students to develop an overall understanding of the Contemporary India.
2. To increase the spirit of healthy Nationalism, Democratic Values and Secularism among the students.
3. Students will understand various aspects of India's domestic and foreign policies that shaped Post-Independence India.

Pedagogy: Lectures / Visual Presentation / Critical Analysis / Assignments / Test/ e-learning

Unit I: Challenges after Independence **13**

- a) Consequences of Partition
- b) Integration of Princely states- Kashmir, Junagadh, Hyderabad
- c) Liberation of Portuguese and French Colonies- Goa, Pondicherry, Chandranagore
- d) Indian Constitution – Salient Features
- e) Linguistic Reorganization of States

Unit II: India's Foreign Policy **10**

- a) Non Aligned Movement
- b) Indo-Pak Relations, Conflicts and the birth of Bangladesh
- c) Indo-Sino Relations, Conflicts and Panchsheel
- d) Indo-Sri Lanka Relations

Unit III: Domestic Policy

10

- a) Hindu Code Bill: Nature and Impact
- b) Emergency: Background, Nature and Impact
- c) Space Research

Unit IV: Economic Policy

12

- a) Mixed Economy and Five Year Plans
- b) Industrial Development
- c) Nationalization of Banks - First Demonetization
- d) Privatization, Liberalization and Globalization: Brief Introduction

Reference Books:

English

1. Chandra Bipan: Mukherjee Mridula: Mukherjee Aditya; India After Independence; Penguin: India 1999
2. Lapiere Dominique and Collins Larry; Freedom at Mid night; William Collins and Simon & Schuster; UK & USA;1975
3. Guha Ramchandra; India After Gandhi: The History of the World's Largest Democracy; Harper Collins; India; 2007
4. Metcalf Barbara D., Metcalf Thomas R; [A Concise History of Modern India](#); [Cambridge University Press](#); 2012
5. Talbot Ian, Singh Gurharpal; [The Partition of India](#), Cambridge University Press; 2009
6. Wolpert Stanley; [A New History of India](#), Oxford University Press; 1977
7. Ansari Sarah Life after Partition: Migration, Community and Strife in Sindh: 1947–1962; Oxford, UK: Oxford University Press; 2005.
8. Sarvepalli Gopal, Jawaharlal Nehru: A Biography. 1947-1956. Volume Two (1979)
9. Chacko Priya; [Indian Foreign Policy: The Politics of Postcolonial Identity from 1947 to 2004](#); Routledge; 2013.
10. Kulke, Hermann; A History of India; Routledge; 2004
11. Menon Shivshankar Menon; [Choices: Inside the Making of India s Foreign Policy](#); Penguin; India; 2016
12. G.W. Choudhury, India, Pakistan, Bangladesh, and the major powers: politics of a divided subcontinent; Cambridge University Press; India;1975
13. Kore, V.S. "[Liberation of Goa: Role Of The Indian Navy](#)"; Bharat Rakshak; 2013.
14. Ashton, S.R.; British Policy towards the Indian States, 1905–1938, London Studies on South Asia no. 2, London; Curzon Press;2003
15. [Khanna, Justice H.R.](#); Making of India's Constitution; Eastern Book Company; 2008.
16. [Austin, Granville](#); The Indian Constitution: Cornerstone of a Nation (2nd ed.). Oxford University Press;1999
17. Ganguly Sumit; '[India, Pakistan, and Bangladesh: Civil-Military Relations](#)', Oxford Research Encyclopaedia of Politics, Oxford University Press; 2020
18. Sukumaran, R; '[1962 India-China War and Kargil 1999: Restrictions on Air Power](#)'; 2003

19. Dube, Rajendra Prasad; [Jawaharlal Nehru: A Study in Ideology and Social Change](#); 1998
20. Maheshwari Neerja; [Economic Policy of Jawaharlal Nehru](#). Deep & Deep; 1997
21. Jayakar Pupul; [Indira Gandhi: A Biography](#); [Penguin Books India](#); 1992.
22. Chandra, Bipan; [In the name of democracy : JP movement and the emergency, Chapter 4, Emergency imposed](#); [Penguin Books](#); New Delhi; 2003.
23. Agrawal Narayan; [Lal Bahadur Shastri, Churn of Conscience](#). Eternal Gandhi; 2006.
24. Nehru, S., ed.; [Economic Reforms in India: Achievements and Challenges](#); MJP Publisher; Chennai; 2019
25. Shiva, Vandana; [The Violence of the green revolution : Third World agriculture, ecology, and politics](#); 1991.

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१. कोठेकर शांता ,[आधुनिक भारताचा इतिहास १९४७ ते २०००](#)श्रीसाईनाथ प्रकाशन नागपूर २००८.
२. कोठेकर शांता, वैद्य सुमन, [स्वतंत्र भारताचा इतिहास \(१९४७ ते १९८६\)](#), श्रीसाईनाथ प्रकाशन नागपूर २००८
३. चंद्र बिपन(अनु.) पारधी मा.कृ. व इतर, [स्वतंत्र्यतोतर भारत, के सागर पब्लिकेशन, पुणे](#).
४. तळवलकर गोविंद , नवरोजी ते नेहरू , [माजेस्टिक प्रकाशन, मुंबई, १९८९](#)
५. दिवान चंद्रशेखर, [भारताची विदेशनीती , विद्या प्रकाशन, नागपूर, १९९२](#)
६. ब्रम्हे सुलभा (संपा.) धं.रा. गाडगीळ [लेखसंग्रह खंड १, गोखले अर्थशास्त्र संस्था पुणे](#)
७. महाजन समाधान , [आधुनिक भारताचा इतिहास , युनिक अकादमी पुणे २०१८](#)

Savitribai Phule Pune University, Pune
Proposed syllabus in History for TYBA (Credit system)
From the Academic Year 2021-22
Under the Faculty of Humanities
Core Course 4 History of Civilization (3 Credit)
Semester VI Course Title: -World Civilization and Heritage (Part II)

Course Objectives:

1. To Orient students about Western Classical Civilization of Greece and Roman.
2. To introduce students to the Arab Civilization and its various aspects.
3. To study various Concept and theory's in Medieval Europe.
4. To understand the Renaissance- Reformation Movement and impact of various Past Civilizations.
5. To create motivation and curiosity among the students through the age of discoveries in Ancient and Medieval times.

Course Outcomes:

1. Students will be oriented about Western Classical Civilization of Greece and Rome.
2. Students will be introduced to Arab Civilization and its impact on world Civilization.

Pedagogy Lectures / Visual Presentation / Critical Analysis / Assignments / Test/ e-learning
Course Content:

Unit I: Western Classical Civilization **12**

- a) Greece Civilization- Social Life, Economy, Cultural Life, Religious belief
- b) Roman Civilization – Philosophy, Socio-Economic Life, Religion, Art and Architecture,
- c) Contribution of Greece and Roman Civilization in World History

Unit II: Arab Civilization **11**

- a) Economic and Cultural Life, Literature, Art and Architecture
- b) Contribution in History Writing
- c) Impact of Arab culture on World Civilization

Unit III: Life in Medieval Europe **12**

- a) Meaning and Nature of Feudalism, Church and State
- b) Economy, Social Life, Rise of Nation States
- c) Impact of Renaissance Period

a) Introduction

b) Famous Historical World Heritage Sites- Great Wall of China: China, Great Pyramid of Giza: Egypt, Petra: Jordan, Colosseum: Rome, Chichen Itza: Mexico, Machu Pichu: Peru, Taj Mahal: India, Christ the Redeemer: Brazil

c) Importance of World Heritage Sites

Reference Books:**English**

1. B. Kumar, Encyclopedic study of World History, Kunal Books, New Delhi, 2012
2. Gerrit P. Judd, A History of Civilization, Collier-Macmillan, New York, 1966, reprinted 1967.
3. Nanda S.P, History of the World, Dominant Publishers and distributors. Pvt. Ltd. New Delhi, 2007, (Reprint 2011)
4. Swain James Edgar (1970) -A History of World Civilization, Eurasia publishing House (P)Ltd.Delhi-55.
5. Graham, W.A., Kagan, D., Ozment, S., and Turner, F.M., The Heritage of World Civilization, 2 vols., Macmillan, 1986
6. Cambridge Medieval History. (Macmillan, 1911) 8 Vols.
7. Hause, S. and Maltby, W., The Essentials of Western Civilization, Wadsworth, USA, 2001. Lucars, H.S., A Short History of Civilization
8. Miller, David, The Black Well Encyclopedia of Political Thought, Blackwell Reference, New York, 1987.
9. Modell, S., A History of the Western World, 2 vols., Prentice-Hall Inc., New Jersey, 1974
10. Pirenne, Jacques, and The Tides of History: From the beginnings to Islam, George Allen and Union, Ltd., London, 1962 Vol. I.
11. Stavrianos, L.S., The Epic of Modern Man, Prentice Hall, Englewood Cliffs, 1966.
12. Wallbank, T.W., Taylor, A.M., Bailkry, N.M., Civilizations – Past and Present.
13. Weech, W.N., History of the World
14. Managing world heritage sites - Anna leask and Allan fall

15. World heritage conservation the World Heritage convention linking culture and nature for sustainable development - Claire cave and blene Negussie

मराठी

१. ओतूरकर रा. वि, आर. पोतनीस व जी. एच. महाजन, जगाचा संक्षिप्त इतिहास भाग १, अनाथ वसतिगृह प्रकाशन, पुणे १९५६.
२. कोलारकर शं. गो. पाश्चिमात्य जग, मंगेश प्रकाशन, नागपूर २००५.
३. मराठे डी. एस. जगाचा इतिहास, देशमुख आणि कं. प्रा. लि, पुणे १९५६.

Savitribai Phule Pune University, Pune
Proposed Syllabus in History for TYBA (Credit system)
From the Academic Year 2021-22
Under the Faculty of Humanities
Discipline Specific Elective Courses (DSE-3C) -(3 Credit)
Semester –VI, Course Title: Applied History

Course objectives:

- 1) To Introduce students to information and importance of Applied History.
- 2) To help students understand the usefulness of history in the 21st century, its changing perspectives, the new ideas that have been invented, and the importance of History in a Competitive World.
- 3) To inform the students about the historical significance of Archaeology and Archives and the opportunities in the field of Archaeology and Archives through this course.
- 4) To inform the students about the opportunities in the field of Media, Museums through this Course.

Course Outcomes:

1. Students will be introduced to the information and importance of applied history.
2. Student will learn about the Historical significance of Archaeology and Archives and opportunities in the field of Archaeology and Archives.
3. Through this course, students will be informed about the opportunities in the field of Media, Museums.
4. Students will learn about the usefulness of history in the 21st Century, its changing Perspectives, the new ideas that have been invented, and the importance of History in a Competitive World.

Pedagogy: Lectures / Visual Presentation / Critical Analysis / Assignments / Test/ e-learning

Course Content

Unit-I. Applied History

14

- a. Applied History: Concept and Application
- b. Application of History in Various Subjects
- c. Co-relationship between Past and Present
- d. Contemporary History: Meaning and Nature

Unit-II. Archaeology and Archives

15

- a) Archaeology and Archives: Definition and Development in India
- b) Archival Sources: Ancient, Medieval and Modern- A brief survey
- c) Heritage Sites: Types, Preservation and Conservation
- d) Historical Importance of Heritage Sites and Museums

Unit-III. Mass Media and Applied History

16

- a) Mass Media: Meaning and Types
- b) Print media:
 - i). Establishment and growth of printing press in India
 - ii). Newspaper: Definition, Rise, Newspaper in India - A brief survey
- c) Electronic media: Radio, Television, E-media.

Unit-IV: Project Work /Study Tour Report/Historical Places Visit Rreport

Project work and Evaluation scheme

1. Candidate shall submit Project report of minimum 2000 words i.e.10 to12 pages (Should be DTP) to the department by end of the Semester.
2. A viva-voce should be conducted before theory examination and the results should be sent to the University as immediately
3. The Distribution of Marks – For Report Writing 20 Marks and for Vice-Voce 10 Marks

Reference Books

English

- 1) Bajaj Satish K, Research Methodology in History, Amol Pub Pvt.Ltd, New Delhi.
- 2) Bobade Bhajang R., Manuscriptology from Indian Sources, Pacific Publication, Delhi.
- 3) Carr E.H., What is History, Penguin Books, Harmondsworth, 1971.
- 4) Chitnis K.N., Research Methodology in History, Navi Path, Pune1979.
- 5) Collingwood R.G., The Idea of History, Oxford university,1961.
- 6) Datta.K.B., Mass Media in India, Akansha Publishing House, New Delhi,2005.
- 7) Director General, Archaeological Remains, Monuments and Museums Part1&2, Archaeological Survey of India, New Delhi, 1964.
- 8) Gaur.M. M., Electronic Media, Omega Publication, Delhi, 2006.

- 9) Ghose, Sallen, Archive in India, Calcuttd, 1963.
- 10) Mehara Chandar, History of Newspapers in India, Notion Press, Chennai, 2019.
- 11) Mujumdar R.K., Shrivastava A.N., Historiography, subject Book, Delhi, 06, 1975.
- 12) Shobita Punija, Museum of India, The Guidebook, Hon Kong, 1990.

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१. आर्य पी .के ., इलेक्ट्रॉनिकमिडिया , प्रभातप्रकाशन , नवीदिल्ली ,
२. कटारे , साखरे, पाटील , पुरातत्वविद्या , वस्तुसंग्रहालय आणि पर्यटन, जेनरिक पब्लिशर, २०१५.
३. कार.ई .एच ., अनुवाद .प्रा.वि.गो.लेले , इतिहास म्हणजे काय , कॅन्टीनेन्टल प्रकाशन , पुणे , ३०.
४. कोठेकर शांता , इतिहास तंत्र आणि तत्वज्ञान , श्रीसाईनाथ प्रकाशन , नागपूर , २००५ .
५. कोल्हटकर संजय, कुलकर्णी प्रसाद, महाराष्ट्रातील प्रसारमाध्यमे काल आणि आज, डायमंड पब्लिकेशन, पुणे.
६. खोबरेकर रवि .गो ., महाराष्ट्रातील दप्तरखाने , महाराष्ट्र राज्य साहित्य आणि सांस्कृतिक मंडळ , मुंबई , १९८८ .
७. गर्गे स.मा ., इतिहासाची साधने: एक शोध यात्रा , पॉप्युलर प्रकाशन , मुंबई , १९९४.
८. गायकवाड , सरदेसाई , हनमाने , ऐतिहासिककागदपत्रेवस्थळेयांचा अभ्यास , फडके प्रकाशन , कोल्हापूर, १९८९ .
९. जोशी लक्ष्मणशास्त्री तर्कतीर्थ , पुरातत्वविद्या , मराठी विश्वकोश खंड ९ , महाराष्ट्र राज्य मराठी विश्वकोश निर्मिती मंडळ , मुंबई.
१०. जोशी लक्ष्मणशास्त्री तर्कतीर्थ, मुद्रण , मराठी विश्वकोश खंड १३ , महाराष्ट्र राज्य मराठी विश्वकोश निर्मिती मंडळ , मुंबई.
११. ढवळीकर मधुकर , पुरातत्वविद्या , म.रा.सा.सं.मं.मुंबई , १९८०.
१२. थोरात भास्कर वस्तुसंग्रहालयशास्त्र - पुरातत्वविद्या , पुराभिलेख व ग्रंथालयशास्त्र , प्राची प्रकाशन , मुंबई, २००९
१३. दळवी जयमती , भारतातील प्रसारमाध्यमे काल आणि आज, डायमंड पब्लिकेशन , पुणे.
१४. देव प्रभाकर , इतिहास एक शास्त्र , कल्पना प्रकाशन , नांदेड , मार्च १९९७.
१५. देव बी , पुरातत्वविद्या , कॉन्टीनेन्टल प्रकाशन , मुंबई. २००८ .
१६. देशमुख प्रशांत , इतिहासाचे तत्वज्ञान , विद्या बुक पब्लिशर्स , औरंगाबाद , २००५.
१७. पाटील सुलोचना , उपयोजित इतिहास , प्रशांत पब्लिकेशन , जळगाव.
१८. रानडे अनुराधा, समेळ स्वप्ना , पुरातत्वशास्त्र , वस्तुसंग्रहालयशास्त्र , ग्रंथालयशास्त्र , इतिहास अभ्यास पत्रिका क्र. ६ , दूरवमुक्त: अध्ययनसंस्था , मुंबई विद्यापीठ, मुंबई.
१९. लेले.रा.क ., मराठी वृत्तपत्रांचा इतिहास , कॉन्टीनेन्टल प्रकाशन , पुणे , १९८४.
२०. वळसंगकर रकृ.ना ., इतिहास विचारतरंग , कॉन्टीनेन्टल प्रकाशन , पुणे , १९७४.
२१. सरदेसाई बी.एन ., इतिहास लेखनशास्त्र, फडके प्रकाशन , कोल्हापूर , २००२.
२२. सांकलीया हसमुख , पुरातत्वपरिचय , डेक्कन कॉलेज , पोस्टग्रॅज्युट अँड रिसर्च सेंटर , पुणे , १९९६

Savitribai Phule Pune University, Pune
Proposed Syllabus in History for TYBA (Credit system)
From the Academic Year 2021-22
Under the Faculty of Humanities
Discipline Specific Elective Courses (DSE-4D)- (3) Credit
Semester -VI, Course Title: History of Maharashtra in the 20thCentury

Course Objectives:

1. To Introduce the students to the history of 20th Century in Maharashtra
2. To study Political, Social, Economic and Conceptual History of the 20th Century Maharashtra in an Analytical way with the help of Primary Sources.
3. To evaluate contribution of 20th Century in Maharashtra to the establishment of Maharashtra state contribution of successors and later development of the 19th century Maharashtra
4. To study Socio-Religious System of the 20th Century in Maharashtra.

Course Outcomes:

1. Student will develop the ability to analyses sources for 20th Century Maharashtra History.
2. Student will learn significance of regional history and Socio- Religious Reformism foundation of the region.
3. It will enhance their Perception of 20th Century Maharashtra.
4. Appreciate the skills of leadership and the Socio-Religious System of the Maharashtra.

Pedagogy:

Lectures / Visual Presentation / Critical Analysis / Assignments / Test/ e-learning

Course content

Unit I. Thoughts and work of Intellectuals

15

- a) Pandita Ramabai
- b) Rajarshri Chhatrapati Shahu Maharaj
- c) Maharshi Vitthal Ramji Shinde
- d) Maharshi Dhondo Keshav Karve
- e) Maharaja Sayajirao Gaikwad.
- f) Dr. Babasaheb Ambedkar
- g) Karmaveer Bhaurao Patil

Unit II. Industrial and Economic Development of Maharashtra 10

- a) Industrialization and Urbanization
- b) Cotton and Sugar Industry
- c) Co-operative Movement -Brief survey

Unit III. Movements in 20th Century Maharashtra 10

- a) Workers Movement
- b) Peasants Movement
- c) Dalit Movement
- d) Non-Brahmin Movement

Unit IV. Integration and Reorganization of Maharashtra 10

- a) Marathawada Mukti Sangram
- b) Sanyukta Maharashtra Movement
- c) Maharashtra-Karnataka Border Dispute

Reference Books

English:

1. Ballhatchet Kenneth, Social Policy and Social Change in Western India. 1817-1830, OUP, 1961.
2. Nurullah Syed and Naik J.P. A History of Education in India (During the British Period) Macmillan ana Co.Ltd. Bombay,1951.
3. Paranjpe Shrikant, Dixit Raja and Das C.R. Western India: History Society and Culture, Itihas Shikshak Mahamandal, Maharashtra, Pune-1997.
4. Ravindra Kumar, Western India in the Nineteenth Century: A Study in the Social History of Maharashtra Routledge and Kegan Paul, Toronto, 1968.

मराठी:

१. अत्रे शुभांगी, महाराष्ट्र संस्कृती, डायमंड प्रकाशन, पुणे.१८१८
२. कीर धनंजय, महात्मा ज्योतिराव फुले आमच्या समाज क्रांतीचे जनक, पॉपुलर प्रकाशन, मुंबई.२०१२
३. कुलकर्णी शिल्पा, महाराष्ट्राचे समाज सुधारक, डायमंड प्रकाशन, पुणे.२०१२
४. कुलकर्णी, पु. बा. ना. नाना शंकरशेट यांचे चरित्र, मुंबई,१९५९
५. केतकर कुमार, कथा स्वातंत्र्याची, ग्रंथाली प्रकाशन, पुणे.१९८५
६. गरुड अण्णासाहेब, सावंत बी.बी. महाराष्ट्रातील समाज सुधारणा चळवळीचा इतिहास, कैलास पब्लिकेशन, औरंगाबाद १९८६

७. गर्गे एस. एम. गोपाळ गणेश आगरकर, नॅशनल बुक ट्रस्ट इंडिया, न्यू दिल्ली. १९९६

८. चौसाळकर अशोक, महर्षी विठ्ठल रामजी शिंदे यांचे धर्मविषयक विचार लोकवाडमय गृह प्रकाशन मुंबई. २००९

९. चौसाळकर अशोक, महाराष्ट्रातील महर्षी विठ्ठल रामजी शिंदे, लोकवाडमय गृह प्रकाशन मुंबई २०११

१०. जावडेकर आचार्य, आधुनिक भारत, कॉन्टिनेन्टल प्रकाशन, पुणे. २०१०

१३. दीक्षित राजा. एकोणिसाव्या शतकातील महाराष्ट्रातील मध्यम वर्गाचा उदय, डायमंड प्रकाशन, पुणे. २००९

१४. धर्माधिकारी ए. बी. महाराष्ट्रातील समाज सुधारक, चाणक्य मंडळ परिवार प्रकाशन, पुणे. २००७

१६. नंदा बलराम (अनु.), वसंत पळशीकर, गोपाळ कृष्ण गोखले, ब्रिटीश राजवट व भारतीय नेमस्त युग, पुणे १८६६

१७. नरके हरी, फडके य.दि. महात्मा फुले गौरव ग्रंथ, महाराष्ट्र राज्य शिक्षण विभाग, मुंबई. १९९३

१८. पवार जयसिंगराव, राजश्री शाहू स्मारक ग्रंथ, महाराष्ट्र इतिहास प्रबोधनी, कोल्हापूर. १९९९

१९. पाटील व्ही.बी. महाराष्ट्रातील समाजसुधारणेचा इतिहास, मेहता पब्लिशिंग हाऊस, पुणे. १९७८

२०. फाटक एन.आर. न्यामूर्ती महादेव गोविंद रानडे यांचे चरित्र, नीलकंठ प्रकाशन, पुणे. १९६६

२१. फडकुले निर्मलकुमार, लोकहितवादी कार्य आणि कर्तृत्व, कॉन्टिनेन्टल प्रकाशन, पुणे. १९७३

२२. बगाडे उमेश, महाराष्ट्रातील प्रबोधन आणि वर्गजाति प्रभुत्व, सुगावा प्रकाशन, पुणे. २००६ ,

२३. भालेराव आनंद. मराठवाड्याचा स्वातंत्र्यसंग्राम. स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ संशोधन संस्था, औरंगाबाद. १९९९

२४. भोळे भा. ल. भारतीय राजकीय विचारवंत, पिंपलापुरे अंड कं. पब्लिशर्स, नागपूर. २०१८

२५. भोळे भास्कर लक्ष्मण, महात्मा ज्योतिराव फुले वारसा आणि वसा, साकेत प्रकाशन, औरंगाबाद. २००९

२६. पंडित नलिनी, महाराष्ट्रातील राष्ट्रवादाचा विकास, मॉडर्न बुक डेपो, पुणे. १९७४

२७. मंगुडकर एम.पी. महाराष्ट्रातील समाज प्रबोधन आणि छत्रपती शाहू महाराजांचे कार्य, पुणे विद्यापीठ प्रकाशन, पुणे.

२८. मोरे सदानंद. लोकमान्य ते महात्मा. राजहंस प्रकाशन. मुंबई. २००७

२९. रानडे महादेव गो. महाराष्ट्रातील समाज विचार १८१८ ते १८८४, सुविचार प्रकाशन मंडळ, नागपूर .

३०. सरदार ग. बा. अर्वाचीन मराठी गद्याची पूर्वपीठिका, मॉडर्न बुक डेपो, पुणे १९३७.

३१. सरदार ग. बा. आधुनिक महाराष्ट्राचे उपेक्षित मानकरी. सुनंदा प्रकाशन, पुणे १९४१.

३२. सरदार जी. बी. महात्मा फुले व्यक्ति आणि विचार, ग्रंथाली प्रकाशन. पुणे .

३३. सरदेसाई बी. एन. आधुनिक महाराष्ट्र, फडके प्रकाशन, कोल्हापूर. २०००.

Savitribai Phule Pune University, Pune
Proposed Syllabus in History for TYBA (Credit system)
From the Academic Year 2021-22
Under the Faculty of Humanities
Discipline Specific Elective Courses (DSE-4D)- (3) Credit

Semester -VI, Course Title- Constitutional Development in India (1858-1950)

Course Objectives:

1. To Introduce the Students to evolution of Constitution of India.
2. To Study factors and Situations that shaped the Constitutions.

Course Outcomes:

1. Student will understand evolution of Constitution of India.
2. Student will learn factors and conditions that contributed to Constitution of India
3. Students will understand democratic processes and thereby strengthen Democracy.

Pedagogy:

Lectures / Visual Presentation / Critical Analysis / Assignments / Test/ e-learning

Course Content

Unit-I: Constitutional Development 1858-1891 **10**

- a) Government of India Act 1858 and Queen's Proclamation – Background, Provisions, Significance.
- b) Indian Councils Act of 1861- Causes, Provisions, Evaluation.
- c) Indian Councils Act 1891 – Causes, Provisions, Evaluation.

Unit II: Indian Councils Acts **15**

- a) Morley-Minto Reforms Act 1909 -Background, Provisions, Significance, Effects
- b) Montagu-Chelmsford Reforms Act 1919- Background, Provisions, Significance, Effect.

Unit-III: The Government of India Act 1935 **10**

- a) Background - Simon Commission, Nehru Report, Round table Conferences
- b) The Salient Features of Government of India Act 1935
- c) Provincial Autonomy

- a) Cripps Mission
- b) Wavell Plan, Cabinet Mission Plan
- c) Mountbatten Plan and Indian Independence Act 1947
- d) Indian Constitution - Salient Features

Reference Books:**English**

1. Keith A.B.; A constitutional history of India (1600-1935), Pacific Publication o Andesite Press, India
2. Sethi R.R. and Mahajan V.D.; Constitutional history of India, S. Chand Publication, New Delhi
3. Chhabra G.S.; Advanced study in the constitutional history of India (1773-1947), New Academic Publishing Company, Jullundur, India
4. Sikri S.L.; A Constitutional history of India, S. Nagin and Company, Jullundur, India
5. Jayapalan N.; Constitutional History of India, Atlantic publication, India
6. Mishra V.B.; Evolution of the Constitutional history of India (1773-1947), South Asia books, India
7. Khan M.M.; Constitutional history of India, Wisdom Press, Darya Ganj, New Delhi
8. Pylee Dr. M.V.; Constitutional history of India, S. Chand Publication, Darya Ganj, New Delhi
9. Aggarwala R.N.(Dr.); National Movement and constitutional Development of India, Metropolitan Book Co. (P) Ltd. Delhi

मराठी

१. जोशी पद्माकर लक्ष्मीकांत ; भारताचा संवैधानिक इतिहास, विद्या प्रकाशन, नागपूर, १९९६.
२. भोगले शांताराम; भारतीय राष्ट्रीय आंदोलने आणि घटनात्मक विकास, विद्या प्रकाशन, नागपूर, १९९६ .
३. एस. गोपाल आणि सरोज देशपांडे; ब्रिटीशांची भारतातील राजनीती, डायमंड पब्लिकेशन, पुणे, २००६ .
४. गायकवाड रा. ज्ञा., प्रा. दि. ज्ञा. थोरात; भारताचा राजकीय आणि घटनात्मक इतिहास, रविल प्रकाशन, सातारा, १९९९

हिंदी

१. भटनागर महेश , आरअगरवाल .सी .; भारतीय संविधान का विकास तथा राष्ट्रीय आंदोलन, एस . चांद पब्लिकेशन, २००८.

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Proposed Syllabus in History for TYBA (Credit System)
Form the Academic Year 2021-2022
Under the Faculty of Humanities
Skill Enhancement Courses (SEC 2 D) – (2 Credits)
Semester VI SEC: 12 Course Title: -Heritage Management

Course Objectives:

1. To understand the introduction of Heritage Management to the Students
2. To get an Opportunity to seek self-employment to the students

Course Outcomes:

1. Student will understand over all process of Heritage Management
2. Student will get the knowledge about scope and the fact of Heritage Management.
3. The students will enable to understand about legal and commercial framework of Heritage

Unit-I: Heritage **10**

- a) Define the concept of Heritage
 - i) Local
 - ii) National
 - iii) International
- b) Nature and Scope
- c) Importance of Heritage

Unit-II: Heritage Tourism **10**

- a) Define the Concept of Heritage Tourism
- b) UNESCO World Heritage Site in India
- c) UNESCO World Heritage Site in Maharashtra

Unit- III: Heritage Site Management **10**

- a) Roll of Government
- b) Roll of Common People
- c) Field Visit and Report

Reference Books

1. Kernal Balsar, The concept of the Common heritage of Mankind, Vol.30 Martinus Nijhoff
2. Richard Harrison (ed), Manual of Heritage Management, Butterworth Heineman.
3. Devide T Herbert (ed), Heritage Tourism and Society, Mausell.
4. Nagar S.L, Protection, Conservation and preservation of India's monuments. Aryan books
5. Chainani, S., Heritage conservation legislative and organizational policies for India. New Delhi: INTACH. 2007
6. UNESCO and its Programmes , protection of mankind's cultural heritage sites and monuments, UNESCO 1970. International, New Delhi 1998

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Proposed Syllabus in History for TYBA (Credit System)
Form the Academic Year 2021-2022
Under the Faculty of Humanities
Skill Enhancement Courses (SEC 2 D) – (2 Credits)
Semester VI: 13 Course Title: - Archaeology

Course Objectives:

1. This paper is designed to introduce the students to the Key Concepts and practical approaches in Archaeology, highlighting their applications in interpreting the Human past.
2. It will enable students to understand the definition, aims and scope of Archaeology and its development as a discipline will be introduced to the Students.
3. The nature of the Archaeological record and the unique role of science in Archaeology is explained to the students.
4. Legislation related to Archaeology and the role of Archaeology in Heritage Management is also discussed in this course.

Course Outcomes:

1. Students will learn to understand the definition, aims and scope of Archaeology so as to understand its applications in interpreting the human past.
2. They will be able to understand the nature of the archaeological record and the unique role of science in archaeology.
3. They will have an overall understanding of the Archaeology.

Course Content:

Unit- I: Definition, Aims and Scope of Archaeology	10
a) Archaeology as the Study of the Past: Definition, Aims, and Scope	
b) Significance of Archaeology	
c) Archaeology and History: Differences and Similarities	
Unit- II: Development of Archaeology in India	10
a) Archaeological Survey of India	
b) Tata Fundamental Research Institute Mumbai	
c) Deccan College Pune	
Unit-III: Value of Archaeology	10
a) Cultural Heritage	
b) Monuments	

Reference Books-

1. Binford, L.R. 1972 Introduction. An Archaeological Perspective, pp. 1–14. Seminar Press, New York.
2. Chakrabarti, D.K. 1988. A History of Indian Archaeology: From the Beginning to 1947. New Delhi: Munsiram Manoharlal.
3. Daniel, Glyn, E. 1975. A Hundred and Fifty Years of Archaeology. London: Duckworth.
4. Dhavalikar, M K. 1984. Towards an Ecological Model for Chalcolithic Cultures of Central and Western India. *Journal of Anthropological Archaeology* 3. Pp- 133-158
5. Fagan, B. 1988. In the beginning: An Introduction to Archaeology. Glenview: Scott, Foresman and company.
6. Flannery, K.V., and J. Marcus 1998 Cognitive Archaeology. In *Reader in Archaeological Theory: Post-Processual and Cognitive Approaches*, edited by D. Whitley, pp. 35–48. Routledge, London.
7. Gardner, A. 2009 Agency. In *Handbook of Archaeological Theories*, edited by R.A. Bentley, H.G. Maschner, and C. Chippindale, pp. 95–108. AltaMira Press, Lanham, MD.
8. Gifford-Gonzalez, Diane. 2011. Just Methodology? A Review of Archaeology's Debts to Michael Schiffer. *Journal of Archaeological Method & Theory* (2011) 18: 299–308.
9. Hodder, I. 1995. *Interpreting Archaeology: Finding Meaning in the Past*. New York: Routledge.
10. Hurcombe Linda 2007. *Archaeological artefacts as material culture*. New York: Routledge
11. Kelly, R.L. 1995. Chapter 3, Foraging and Subsistence. In *The Foraging Spectrum: Diversity in Hunter- Gatherer Lifeways*. Smithsonian Institution Press, Washington, D.C. (pp. 65–110)
12. McIntosh Jane R. 2008. *Ancient Indus Valley: New Perspectives*. Abc Clio. California.
13. McHenry, Henry M. 2009. *Human Evolution in Evolution: The First Four Billion Years*, edited by M. Ruse and J. Travis. Cambridge, Massachusetts: Harvard University Press. Pp. 256-280
14. Paddayya, K. 1990. *New Archaeology and Aftermath: View from Outside the Anglo-American World*. Pune: Ravish Publishers
15. Paddayya, K. 2014. *Multiple Approaches to the Study of India's Early Past: Essays in Theoretical Archaeology*. Aryan Books International
16. Schiffer, M.B. 1995. *Behavioral Archaeology: First Principles*. Salt Lake City: University of Utah Press

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Proposed Syllabus in History for TYBA (Credit System)
Form the Academic Year 2021-2022
Under the Faculty of Humanities
Skill Enhancement Courses (SEC 2 D) – (2 Credits)
Semester VI -SEC:14 Course Title: Numismatics

Course Objectives:

1. This paper is designed to introduce the students to the Currency system of Ancient India.
2. It aims at acquainting the students about the development in the Coinage System.

Course Outcomes:

1. Students will be able to identify and decipher the Coins.
2. They will also be able to understand the Socio-Political background that accure through the coinage of that time; thus getting holistic picture of that economic system prevalent in Ancient India.

Course Content:

Unit-I: Introduction to Numismatics	7
a) Numismatic Studies: Terminology and Scope	
b) Importance in the Reconstruction of Socio-Cultural and Economic History	
Unit-II: Study of Ancient Indian Coinage: Polity-Economic Dimensions	8
a) The Mauryan Age - Karshapanas Coins	
b) Coins of the Post Mauryan Age	
c) Coins of the Guptas	
Unit-III: Study of Medieval Coins	7
a) Coinage of the Delhi Sultanate and Mughal Period	
b) Coins of Vijaynagar	
c) Coins of the Marathas	
Unit –IV: Study of Modern Coins	8
a) Coins of the British East India Company	
b) Coins of Independent India	
c) Indian Institute of Research in Numismatic Studies (IIRNS), Anjineri.	

Reference Books:

1. Allan, J. 1935. Catalogue of Coins of Ancient India. London: British Museum.
2. Altekar, A.S., 1937. Catalogue of Coins of the Gupta Empire. Varanasi: Numismatic Society of India.
3. Bhandarkar, D.R., 1921. Carmichael Lectures on Ancient Indian Numismatics. Calcutta: Calcutta University.. Bharadwaj, H.C. 1979. Aspects of Ancient Indian Technology. Delhi: Motilal Banarasidas. Chattopadhyaya, Bhaskar 1967. The Age of the Kushanas – A Numismatic Study. Calcutta: Punthi Pustak.
4. Chattopadhyaya, Brajdulal 1977. Coins and C u r r e n c y S y s t e m in South India. Delhi: Munshiram Manoharlal
5. Dasgupta, K.K. 1974. A Tribal History of Ancient India – A Numismatic Approach. Calcutta: Nababharat Publications.
6. Datta, Mala 1990. A Study of the Satavahana coinage. Delhi: Harman Publishing House. Dhavalikar, M.K. 1975. Pracheena Bharatiya Nanakshastra. Pune: Maharashtra Vidyapeeth Granthanirmithi Mahamandal.
7. Handa, Devendra 2007. Tribles Coins of Ancient India. New Delhi: Aryan Books International. Elliot, W. 1970. (Reprint) Coins of South India. Varanasi: Indological Book House. Gardener, P. 1886. The Coinage of the Greek and Scythic Kings of Bactria and India in British Museum. London: British Museum.
8. Gokhale, Shobhana 1981. New Discoveries in the Satavahana Coinage, JNSI vol. XLIII: 54-59.
9. Goyal, S.R. 1995. Dynastic Coins of Ancient India. Jodhpur: Kusumanjali Book World.
10. Gupta, P.L. 1979. (2 nd Revised Edition) Coins. New Delhi: National Book Trust.
11. Gupta, P.L. 1981. Coins: Source of Indian History. Ahmedabad: B.J. Institute of Learning and Research.
12. Gupta, P.L. and Sarojini Kulashreshtha 1993. Kushana Coins and History. New delhi: D.K. Publishers.
13. Gupta, P.L. and T.R. Hardaker 1985. Ancient Indian Silver Punch-Marked Coins of the Magadha – Maurya Karshapana Series. Nasik: Indian Institute of Research in Numismatic Studies.
14. Jha, A.K. 1998. Observations on the Principles of Typology: A Study of Ancient Indian Coinage, in Ex Moneta: Essays on Numismatics in Honour of Dr. David W. Macdowall (A.K. Jha and Sanjay Garg eds.) Volume I, pp. 33-42. New Delhi: Harman Publishing House.

15. Jha, Amiteshwar and Dilip Rajgor 1994. *Studies in the Coinage of Western Kshatrapas*. Anjaneri: Indian Institute of Research in Numismatic Studies.
16. Krishnamurti, R. 1997. *Sangam Age Tamil Coins*. Madras: Garnet Publishers. Lahiri, A.N. 1965. *Corpus of Indo-Greek Coins*. Calcutta Journal of the Numismatic Society of India, Varanasi.
17. Mangalam, S.J. 2001. *Shankar Tiwari Collection of Early Coins from Narmada Valley*. Bhopal: Directorate of Archaeology and Museums, Government of Madhya Pradesh.
18. *Numismatic Digest A Journal Published by Indian Institute of Research in Numismatic Studies, Anjaneri (Nasik)*.
19. Rajgor, Dilip 2001. *Punch-Marked Coins of Early Historic India*. California: Reesha Books International.
20. Rapson, E.J. 1908. *Catalogue of Coins of Andhra Dynasty, Western Kshatrapas etc*. London: British Museum.
21. Ray, S.C. 1977. *The Stratigraphic Evidence of Coins in Indian Excavations and Some Allied Issues*. Varanasi: Numismatic Society of India.
22. Sahni, Birbal 1973. *The Technique of Casting Coins in Ancient India*. Varanasi: Bharatiya Publishing House.
23. Sarma, I.K. 1980. *Coinage of the Satavahana Empire*. Delhi: Agam Kala Prakashan.
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25. Shastri, A.M. (Ed.) 1999. *Age of the Satavahanas (two volumes)*: New delhi: Aryan Prakashan. Srivastava, A.K. 1969. *Catalogue of Indo-Greek Coins in the State Museum*, Lucknow. Lucknow: State Museum.
26. Srivastava, A.K. 1972. *Catalogue of Saka-Pahlava Coins of Northern India in the State Museum*, Lucknow. Lucknow: State Museum.
27. *Studies in South Indian Coins: A Journal Published by South Indian Numismatic Society*, Madras.

SAVITRIBAI PHULE PUNE UNIVERSITY



TYBA Psychology Syllabus

From the academic year 2021-22

Outcome Based Syllabus

	Semester-V	Semester-VI	
G-3 35223	SEC- 1C (Industrial and Organizational Psychology) (3)	SEC- 1D (Applied Psychology) (3)	
S-3 35221	DSE-1C (Psychological Testing) (Theory) (3)+(1) Testing Project	DSE-1D Experimental Psychology (Theory) (3)+(1) Testing Project	
S-4 35222	DSE-2C (Psychological Tests) (Practical) (3)+(1) Statistics	DSE-2D (Psychological Experiments) (Practical) (3)+(1) Statistics	
35224	SEC-2C (Personality Development-1) (2) (Value/skill based course)	SEC-2D (Personality Development-2) (2) (Value/skill based course)	
	G.E. 1 (2)	G.E.2 (2)	

- One credit is equal to one clock hour
- It is expected to refer Bloom's taxonomy

DSE 1 C (3): PSYCHOLOGICAL TESTING (THEORY) + (1) TESTING PROJECT

After completing the course, student should be able to:

CO1: Describe the concept of psychological test, reliability, validity and norms.

CO2: Classify and categorize psychological tests, reliability- validity-norms types.

CO3: Identify the reliability and validity of psychological tests,

CO4: Evaluate the types of norms.

CO5: Conduct testing project for behaviour analysis.

UNIT-1: INTRODUCTION OF PSYCHOLOGICAL TESTS

1.1: What is psychological test? History

1.2: Classification, characteristics

1.3: Steps in test construction

1.4: Ethical issues in test construction

UNIT-2: RELIABILITY OF TESTS

2.1: Reliability: Meaning, true score estimation

2.2: Types: Test-retest, Split-half, Parallel-form and Scorer reliability

2.3: Standard error of measurement

2.4: Reliability- Influencing factors and improvement techniques

UNIT-3: VALIDITY OF TESTS

3.1: Validity: Meaning,

3.2: Types: Content, criterion and construct

3.3: Convergent and discriminant validity

3.4: Validity: Statistical calculation method

UNIT-4: NORMS AND ITEM ANALYSIS

4.1: Meaning of norms, Norm-referencing and Criterion-referencing tests

4.2: Types of norms: Age, grade, percentile and standard-score norms

4.3: Item Analysis: Item difficulty and Item discrimination

4.4: Item response theory

FOR 1 CREDIT: GROUP TESTING:

1. For group testing, a small sample (n=30 at least) should be taken.
2. Any one standardized psychological test should be administered to the sample.
3. Responses should be scored as per the instructions given in the manual.
4. Report for group testing should be structured as follows:
 - a. Purpose of the group testing
 - b. Description of the test, e.g. author, psychometric properties, uses of test.
 - c. Tabular presentation of scores and results
 - d. Qualitative analysis, if applicable
 - e. Interpretation at group level
- f. Any other relevant finding
- g. Conclusion
- h. References

READING

Anastasi, A. & Urbina, S. (2009). Psychological testing. N.D.: Pearson Education.

Asch, S. E. (1955). Opinions and social pressure. Scientific American, 193, 31- 35.

Desai, B. and Abhyankar, S.C. (2001). Prayogik Manasashastra ani Samshodhan Paddhati. Pune: Narendra Prakashan.

Hechter, M. and Opp, K. D. (2001). Social Norms. New York: Russell Sage Foundation.

Kaplan R.M.& Saccuzzo D.P.(2005) Psychological Testing,Principles ,Applications and Issues.Sixth Ed. Cengage Learning India, Pvt Ltd.

Sherif, M. (1936). The Psychology of Social Norms. New York: Harper and Row. Asch, S. (1952). Social Psychology. (Englewood Cliffs, NJ: Prentice Hall)

Singh, A.K. (2006). Tests, Measurements and research methods in behavioural sciences. Patna: Bharati Bhavan.

Syllabus for B. Com. Semester -II

Subject Name: - Business Ethics - II

Course code:- 126 (D)

Cross Cutting 2019-20

Depth of the program – Fundamental Knowledge

Objective of the Program

1. To enhance students' general awareness of ethical dilemmas at work.
2. To understand differing perceptions of interests in business-related situations
3. To introduce the concept of Corporate Social Responsibility, corporate Governance and explore its relevance to ethical business activity
4. To examine whether ethics set any boundaries on Accounting, marketing, IT, Social Media and workplace.
5. To prepare students to play a constructive role in improving the sustainable development with which they may become involved.

Unit No	Unit Title	Contents	Purpose Skills to be developed
1	Business Ethics	Business ethics—Meaning, definitions, scope, objectives, need and Principles. Human values and moral –meaning, formation and importance. Professional Ethics-meaning and significance, management and ethics Gandhian approach in Ethics. Global Trends in Ethics.	1. Equip the students with a skills to resolve the business problems with ethical norms. 2. Recognize the inherent conflict of interest in many business decisions.

2	<p>Corporate Social Responsibility</p>	<p>Understanding the scope CSR and it's scope</p> <p>2. To know the global trends</p>
3.	<p>Corporate Governance- concept, objectives, features, core principles of good corporate governance, advantages, system of corporate governance and SEBI's guideline</p> <p>Whistle Blowing- Meaning causes and types.</p> <p>Current issues of Business ethics in-</p> <ul style="list-style-type: none"> a. Accounting, b. Social Media, c. IT, d. Marketing and Advertisement e. Harassments and discrimination at workplace 	<p>Acquaint the students with corporate governance and global business ethics.</p>

4.	Sustainable Developm entand Ethics	Sustainable Development- concept, need principles and importance, Goals of sustainable development and challenges to achieve SD. Achievements of Sustainable Development in India- clean water, clean energy, no poverty, zero hunger, Good Health, quality education, climates action and Industry innovations infrastructure. Ethics and sustainable development,	Identify various facts of sustainable development Apply the knowledge of sustainable development for people education
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Savitribai Phule Pune University, Pune
Revised syllabi (2019 Pattern) for three years B. Com. Degree course
Credit Base Choice System (CBCS)

Syllabus for T.Y.B. Com.
Semester -VI

Cross cutting

Course code: - 361

Credit - 3

Subject Name: Business Regulatory Framework

Depth of the program – Fundamental Knowledge

Preamble

This Course is designed to acquaint the commerce Students with the Legal frame work applicable to business enter prison in the Country. The understanding of legal system is a prerequisite for better decision making. The objective of this course is to acquaint the students with basics of intellectual property rights with special reference to Indian law and practice. The students will be able to understand the consumer Protection and Negotiable instruments and Arbitrates Law. This course focuses on orientation of students to legal studies from the point of view of basic concepts of business law and legal system in India. The course will be useful to the commerce students to understand and apply the business laws in commercial situations.

Objectives of the Program

1. To develop general awareness of Business Law among the students.
2. To understand the various statutes containing regulatory mechanism of business and its relevant provisions including different types of partnerships.
3. To have a understanding about the landmark cases/decisions having impact on business laws
4. To create awareness among the students about legal environment relating to the business activities and new ways dispute resolutions provided under Arbitration Act.
5. To acquaint the students on relevant developments in business laws to keep them updated.
6. To enhance capacity of learners to seek the career opportunity in corporate sector and as a business person.

3	<p>The Consumer Protection Act, 2019 (14 Lectures)</p>	<p>The Consumer Protection Act, 2019</p> <ul style="list-style-type: none"> • Salient features of the C.P. Act, 2019 • Definitions-Consumer, Complainant, Services, Defect & Deficiency, Complainant, unfair trade practice, restrictive trade practice, unfair contract. • Consumer Protection Councils. • Procedure to file complaint & Procedure to deal with complaint in commissions & Reliefs available to consumer.(Sec.39) • Consumer Disputes Redressal Commissions. (Composition, Jurisdiction, Powers and Functions.) 	<p>To acquaint students about regulatory mechanism of Consumer Protection and Procedural aspect of Redressal of Consumers' grievances.</p>
4.	<p>Intellectual Property Rights (14 Lectures)</p>	<p>Intellectual Property Rights : (IPRs)</p> <ul style="list-style-type: none"> • Meaning & importance of IPRs, International efforts in protection of IPR: WPO (Objectives & activities) & TRIPS Agreement: Objectives • Definition and conceptual understanding of following IPRs under the relevant Indian current statutes. • Patent: Definition & concept, Rights & obligation of Patentee, its term. • Copyright: Characteristics & subject matter of copyright, Author & his Rights, term. • Trademark: Characteristics, functions, illustrations, various marks, term, internet domain name- Rights of trademark holder. • Design: Importance, characteristics, Rights of design holder. 	<p>To be able to appreciate the emerging developments in the area of intellectual property Laws and their impact on the Indian businesses.</p>

M.Com. Part I Semester II

Business Administration Special Paper III.

Subject Title -: Business Ethics and Professional Values

Course Code -: 213

	No. of Lectures	Credit 04
Unit I Introduction Nature , concept and definition of term Business Ethics , Profession and Values, Indian Ethos, Ethics and Values – Work Ethos – Importance of Human Values. Guidelines of Socio Ethical System at General Level. Meaning of Social Ethics, Issues related to Socio Ethics Factors affecting Social Ethics.	12	01
Unit II –Indian Ethical Practices in A) Marketing and Advertising : B) Copy rights and Patents C) Employment D) Gender Discrimination E) Accounting Disclosures	12	01
Unit III Dilemmatic situations in Professional Ethics, Code of Ethics and conduct 1. Corporate Governance 2. Corporate Social Responsibility 3. Corporate Citizenship	12	01
Unit- IV Indian Approach to Business Ethics Gandhian Approach in Management and Trusteeship Gandhi’s Doctrine of Satya and Ahinsa , Concept , importance and relevance of trusteeship Principle in Modern Business, Emergence of new values in Indian Industries after economic reforms of 1991.	12	01
	<hr/>	<hr/>
	48	04
Books Recommended Reference Books 1.Wg- Cdr – B.R.Chavala , Swastik Publishers . 2.Management by Values 3.S.K.Chakraborti , Oxford University Press 4FOUNDATIONS TO Managerial Work – Contribution from Indian Thought – S. K.Chakraborti , Himalaya Publications 5.A Study in Business Ethics Rituparna Raj 6.Ethics in Management S.A. Sherlekar , Himalaya Publication 7. Business Ethics and Corporate Governance S. K. Bhatia		

M. Com. Part I (Semester II)

**Group F (Business Administration) -
Special Paper III**

Subject : - Business Ethics & Professional Values

Course Code No: 213

Cross Cutting 2019-20

Objectives of the course

1. To raise the students general awareness on the ethical dilemmas at work place
2. To understand the differing perceptions of interest in business related solutions
3. To present the concept of Corporate Social Responsibility and explore its relevance to ethical obligations and ethical ideals present in the relationship between employers and employees
4. To investigate whether ethics set any boundaries on competition , marketing, sales and advertising
5. To enable students to validate or correct , personal ideas about various ethical perspectives
6. To enable students to develop their own considered judgment about issues in Business Ethics
7. To foster more careful, disciplined thinking in trying to resolve issues in business ethics
8. To prepare students to play a constructive role in improving the sustainable development with which they may become involved

Depth of the program – Fundamental Knowledge

Unit No.	Unit Title	Contents
1	Business Ethics and Professional Values	<ul style="list-style-type: none"> a. Business Ethics – Introduction, Meaning, Scope, Principles, importance, Code of Ethics and Theories b. Professional Values – Meaning, Significance, Scope and Human Values c. Ethical Decision Making – Meaning, determinants, process of ethical decision making
2	Corporate Social Responsibility and Corporate Governance	<ul style="list-style-type: none"> a. CSR – Introduction, advantages, scope for CSR in India, Legal provisions for CSR, Forms of CSR and Indian Corporations b. Corporate Governance – concept Objectives, features, advantages, code whistle blowing, types arguments and justification c. Value Based Management – meaning, benefits and methods =, Vedic Management for business ethics
3	Indian Ethical Practices	<ul style="list-style-type: none"> a. Indian Ethical Practices Finance b. Indian Ethical Practices Marketing c. Indian Ethical Practices Information Technology d. Ethics at work place e. Indian Ethical Practices HRM
4	Emerging issues in Business Ethics and Environmental issues	<ul style="list-style-type: none"> a. Ethics in Environment – environmental crisis, issues relating to environmental degradation, natural resources depletion and pollution b. Sustainable Development – Meaning, Principles. Goals of Sustainable Development, Strategy to achieve Sustainable Development

T.Y.B.Sc. (Physics) (Sem-V)
PHY-3510 SEC (H): Energy Studies

Lectures: 36

(Credits-02)

Objectives:

1. Students understand the comparative aspects, advantages and disadvantages of various sources of energy. They understand the facts and myths regarding the energy sources.
2. Students learn the basic principles involved and technologies developed in the uses of solar energy, biomass energy, wind energy, fuel cells.
3. Students understand the challenges and opportunities in conversion of energy from one form to another, generation of electricity and mechanical work using different energy sources.
4. Students get acquainted with challenges and recent trends in energy storage devices and they learn more about super-capacitors and batteries, electrical vehicles. They can imagine about future road maps in the fields of energy conversion and storage technologies.

Course Outcomes:

1. Students become capable of conducting energy audits and give consultancy in that field.
2. Students can design different types of solar heaters for small domestic as well as large scale community level applications.
3. Students acquire skills to implement solar P-V systems at domestic levels as well as for office premises and educational institutions. Students become able to start their own enterprise in net metering.
4. Students get ideas and hence become self-employed in the field of design , production, commissioning and implementation of bio-mass energy sources , bio-gas plants, gasifiers, wind mills, hybrid systems etc.
5. Students can go for research in the fields of super-capacitors, battery technologies, fuel cells and material synthesis for implementation of these technologies.
6. Students become successful entrepreneurs in the energy field.

Students strive to make the regions where they live and work self-sufficient in generating and fulfilling their own energy needs using different energy solutions.

Syllabus:

Unit No.	Topic	Lectures
1	An Introduction to Energy Sources: Classification and comparison of energy sources (hydro, thermal, nuclear, solar, wind, biomass, and fossil fuels) considering environmental, safety, economy, production and distribution aspects. Facts and Myths about various sources of energy, thermal, nuclear sources of energy, Hybrid sources. Energy audit.	3
2	Solar thermal Applications: Sun as a source of energy, Solar Constant, Liquid flat plate collector, construction and working, Concentrating collectors, Solar drying, Solar water heating systems.	3
3	Solar Photovoltaic systems Applications: Photovoltaic principle, Power output and conversion efficiency, Limitation to photovoltaic efficiency, Basic photovoltaic system for power Generation,	4

	Application of solar photovoltaic systems, Advantages and disadvantages of Solar PV Systems.–Configurations of Solar Photovoltaic Systems: Off-grid, Grid-Tied and Grid-Storage; Net metering and steps in installation of a rooftop solar PV System design.	
4	Biomass and wind energy: Bio-mass conversion technologies, Bio-gas generation, Working of biogas plant, Bio-gas from plant wastes, Methods for obtaining energy from biomass, Thermal gasification of biomass, Introduction to wind energy, Classification and description of wind machines, Wind energy, Wind data.	4
5	Energy storage devices and electrical Vehicles : Recent trends in batteries, super-capacitors, fuel cells. Applications of storage devices: Electrical Vehicles (EV), Converter, Inverter, Controls & Controllers in EV, Future Trends in Electric Cars.	4

Activity: any-6 (At least one activity from each unit)

[18L]

Unit-I:

1. Energy audit of college campus/public campus/home/building.
2. Comparison of energy sources.
3. Visits to energy generation/distribution sites.

Unit-II:

4. Study of solar water heaters.
5. Study of large scale solar heaters for industrial/cooking/water heating applications.
6. Study of flat plate, parabolic solar concentrators.

Unit-III:

7. Efficiency measurement of PV systems using I-V characteristics of Amorphous Si, Mono-crystalline Si, Polycrystalline Si in individual, series and parallel combinations.
8. Effect of intensity of incident light, incident angle and shading on Solar PV Module on Output power.
9. Study of design of solar lanterns, street lights using solar systems.
10. Study of Installation and commissioning of roof top solar PV systems.
11. Study of net metering systems.

Unit-IV:

12. Visit to bio gas plant
13. Visit to bio diesel plants
14. Study of modified bio mass plants
15. Design and implementation of domestic/small scale biogas plants.
16. Study of different types of gasifiers
17. Study of wind mill / visit to wind mill

Unit-V:

18. Preparation and testing of fuel cell on Laboratory scale
19. Preparation and testing of super capacitors on Laboratory scale
20. Preparation and testing of paper batteries and other types of batteries on Laboratory scale.
21. Design and implementation of battery-operated toys using green technology

Reference books:

1. Non-conventional Energy sources- G. D. RAI (4th edition), Khanna Publishers, Delhi
2. Solar Energy - S. P. Sukhatme (Second Edition), Tata Mc Graw Hill Ltd., New Delhi.
3. Solar Energy Utilisation - G. D. RAI (5th edition), Khanna Publishers, Delhi.
4. Renewable Energy Technology: A practical guides of beginners, Chetan Singh Solanki, PHI Learning Private-Ltd., New Delhi.
5. Solar Photovoltaics: Fundamentals, Technologies and Applications, Chetan Singh Solanki, PHI Learning Private-Ltd., New Delhi

Note :

1. It is expected that students should undertake at least 1 activity from each unit and total 6 activities amounting to 18 lectures time.
2. Out of the total time allotted to each unit, half the time should be utilized for classroom teaching and remaining half for the activity.
3. Students should be encouraged to study this course by using Case–Study approach.

Department of Mathematics

S.V.K.T. College, Deolali Camp

Academic Year 2022-23

Cross-Cutting Issues (Professional Ethics)

Sr. No.	Class	Name of Course	Relevance in the Syllabi
1.	F.Y.B.C.A.	BCA 117 Applied Mathematics Laboratory	Practicals on R- Software to train students for professional data analysis Methods.
2.	F.Y.B.Sc.	MT-113 and MT-123: Practicals Using Maxima Software	Practicals on Maxima Software to acquaint students with Programming Skills to solve Mathematical Problems and to develop Mathematical Abilities.
3.	T.Y.B.Sc.	MT-3511 LaTeX for Scientific Writing MT-3611 Mathematics into LaTeX	Practicals on LaTeX document Preparatory System to train students for creating professional and technical documents.
4.	T.Y.B.Sc.	MT -3510: Programming in Python-I MT -3610: Programming in Python-II MT-356(A) Machine Learning – I MT-366(A) Machine Learning – II	Practicals on Python and Machine Learning to acquaint students with Emerging Technologies such as Machine Learning.



Shirore C.P.

Chetan P. Shirore

Head, Dept. of Mathematics



Savitribai Phule Pune University

(Formerly University of Pune)

Three Year B.Sc. Degree Program in B.C.A.

(Faculty of Science & Technology)

F.Y.B.C.A.

Choice Based Credit System Syllabus

To be implemented from Academic Year 2019-2020

Title of the Course : Bachelor of Computer Applications (BCA)

Preamble of the syllabus

The B.C.A. program is a combination of computer and applied courses from science stream. The computer related courses introduce techniques of programming, databases, web designing, system analysis, design tools and different computing environments. The applied courses include mathematics, statistics and electronics that provide theoretical foundation for the learner.

Objectives:

- To produce knowledgeable and skilled human resources that is employable in IT and ITES.
- To impart knowledge required for planning, designing and building Complex Application Software Systems as well as to provide support for automated systems or applications.
- To produce entrepreneurs

Introduction

The Program is of Three Years duration with six semesters. It is a Full Time Degree Program. The program will be based on Choice-based credit system comprising 140 credit points.

Lateral Entry to SYBCA

Any candidate who has passed three Year Diploma course in Computer Engineering/Technology/Information Technology/Electronics Communication/ Electronics Telecommunications/ Electronics approved by the DTE, Maharashtra State or Equivalent authority is eligible for admission to direct second year (SYBCA) of this program.

TABLE -1 Structure for FYBCA (Semester_1)

Semester 1

Course Code	Course	Teaching Scheme Hours / Week			Examination Scheme and Marks			Credit	
		Theory	Tutorial	Practical	CE	End-Sem	Total	TH	PR
BCA111	Fundamentals of Computers	04	--	--	30	70	100	04	--
BCA112	Problem Solving and C Programming	04	--	--	30	70	100	04	--
BCA113	Applied Mathematics	04	--	--	30	70	100	04	--
BCA114	Business Communication	04	--	--	30	70	100	04	--
BCA115	Fundamentals of Computers Laboratory	--	--	03	15	35	--	50	1.5
BCA116	C Programming Laboratory	--	--	03	15	35	--	50	1.5
BCA117	Applied Mathematics Laboratory	--	--	03	15	35	--	50	1.5
BCA118	Business Communication Laboratory	--	--	03	15	35	--	50	1.5
Total Credits								16	06
Total		16	--	12	180	420	600	22	

Abbreviations:**TW:** Term Work**TH:** Theory**OR:** Oral**TUT:** Tutorial**PR:** Practical

SEMESTER I**BCA117: Applied Mathematics Laboratory**

Teaching Scheme:	Credits	Examination Scheme:
Practical: 03 Hrs/Week	1.5	Continuous Evaluation: 15 Marks
End-Semester: 35 Marks		
Companion Course: BCA113 Applied Mathematics		

Course Objectives:

- To provide knowledge about applying theoretical concepts of applied mathematics and statistics to solve problems
- To provide hands-on experience on statistical package

Course Outcomes:

On completion of the course, student will be able to

- Apply mathematical and statistical concepts to solve problems
- Use R to perform statistical operations and data visualization

Guidelines for Instructor's Manual

The instructor's manual is to be developed as a hands-on resource and reference. The instructor's manual need to include University syllabus, conduction & Assessment guidelines.

Guidelines for Student Journal

The laboratory assignments are to be submitted by student in the form of journal. Journal consists of Certificate, table of contents, and **handwritten write-up** of each assignment (Title, Objectives, Problem Statement, Outcomes, software & Hardware requirements, Date of Completion, Assessment grade/marks and assessor's sign

Program codes with sample output of all performed assignments are to be submitted as softcopy. Use of DVD containing students programs maintained by lab In-charge is highly encouraged. For reference one or two journals may be maintained with program prints

Guidelines for Assessment

Continuous assessment of laboratory work is to be done based on overall performance of student. For each lab assignment, the instructor will assign grade/marks based on parameters with appropriate weightage. Suggested parameters include- timely completion, performance, innovation, efficient codes, punctuality and neatness.

Suggested List of Laboratory Assignments**Applied Mathematics: 2 Assignments each based on following topics**

1	Set Theory
2	Logic, Mathematical Induction
3	Relations
4	Functions
5	Counting

Statistics (Assignments may be performed using R)

1	Download and Install R, understand IDE
2	Using R execute the basic commands, array, list and frames.

3	Create a Matrix using R and Perform the operations addition, inverse, transpose and multiplication operations.
4	Using R Execute the statistical functions: mean, median, mode, quartiles, range, inter quartile range histogram
5	Using R, drawing scatter Plots, Line Plots, Bar Plots etc
6	Using R import the data from Excel / .CSV file and Perform operations
7	Using R import the data from Excel / .CSV file and Calculate the standard deviation,
8	Using R import the data from Excel / .CSV file and draw the skewness
9	Import the data from Excel / .CSV and perform the Chi-squared Test.

References:

- Richard Cotton, "Learning R", SPD O'Reilly Publications



Savitribai Phule Pune University

(Formerly University of Pune)

Three Year B.Sc. Degree Program in Mathematics

(Faculty of Science & Technology)

F.Y.B.Sc. (Mathematics)

Choice Based Credit System Syllabus

To be implemented from Academic Year 2019-2020

Title of the Course: B. Sc (Mathematics)

Preamble:

SavitribaiPhule Pune University has decided to change the syllabi of various faculties from June,2019. Taking into consideration the rapid changes in science and technology and new approaches in different areas of mathematics and related subjects board of studies in mathematics with concern of teachers of mathematics from different colleges affiliated to SavitribaiPhule Pune University has prepared the syllabus of F. Y. B.Sc. Mathematics. To develop the syllabus the U.G.C. Model curriculum is followed.

Aims:

- (i) Give the students a sufficient knowledge of fundamental principles, methods and a clear perception of innumerable power of mathematical ideas and tools and know how to use them by modeling, solving and interpreting.
- (ii) Reflecting the broad nature of the subject and developing mathematical tools for continuing further study in various fields of science and technology.
- (iii) Enhancing students' overall development and to equip them with mathematical modeling abilities, problem solving skills, creative talent and power of communication necessary for various kinds of employment.
- (iv) Enabling students to develop a positive attitude towards mathematics as an interesting and valuable subject of study.

Objectives:

- (i) A student should be able to recall basic facts about mathematics and should be able to display knowledge of conventions such as notations, terminology and recognize basic geometrical figures and graphical displays, state important facts resulting from their studies.
- (ii) A student should get a relational understanding of mathematical concepts and concerned structures, and should be able to follow the patterns involved, mathematical reasoning.
- (iii) A student should get adequate exposure to global and local concerns that explore them many aspects of Mathematical Sciences.
- (iv) A student be able to apply their skills and knowledge, that is, translate information presented verbally into mathematical form, select and use appropriate mathematical formulae or techniques in order to process the information and draw the relevant conclusion.
- (v) A student should be made aware of history of mathematics and hence of its past, present and future role as part of our culture.

Course Outcome:

Upon successful completion of this course, the student will be able to:

- i) The mathematical maturity of students in their current and future courses shall develop.
- ii) The student develops theoretical, applied and computational skills.
- iii) The student gains confidence in proving theorems and solving problems.

Structure of the course:

	Semester - I		Semester -II		Credit
Paper I	MT-111	Algebra	MT-121	Analytical Geometry	2
Paper II	MT-112	Calculus - I	MT-122	Calculus - II	2
Paper III	MT-113	Mathematics Practical	MT-123	Mathematics Practical	1.5

Proposed Structure of S. Y. B. Sc. Mathematics Courses:

	Semester - III		Semester -IV		
Paper I	MT-231	Calculus of Several Variables	MT-241	Linear Algebra-I	2
Paper II	MT-232 (A)	Laplace Transform and Fourier Series	MT-242(A)	Vector Calculus	2
	MT-232 (B)	Computational Geometry	MT-242(B)	Numerical Analysis	2
Paper III	MT-233	Mathematics Practical	MT-243	Mathematics Practical	2

Proposed Structure of T. Y. B. Sc. Mathematics Courses:

Semester- V		Semester- VI		Credit
MT 351	Matric Spaces	MT 361	Complex Analysis	2
MT 352	Real Analysis-I	MT 362	Real Analysis-II	2
MT 353	Problem Course on MT 351 and MT 352	MT 363	Problem Course on MT 361 and MT 362	2
MT 354	Group Theory-I	MT 364	Ring Theory-I	2
MT 355	Ordinary Differential Equations-I	MT 365	Partial Differential Equations-I	2
MT 356	Problem Course on MT 354 and MT 355	MT 366	Problem Course on MT 364 and MT 365	2

MT 113: Mathematics Practical

(Practicals based on the applications of articles in MT 111 and MT 112)

In Semester-I, we should conduct 3 written practical and 3 practical on maxima software for each paper MT-111 and MT-112.

List of Practical

- Practical 1 : Problems on Unit 1 and Unit 2(Written) from MT-111.
- Practical 2 : Problems on Unit 3 (Written) from MT-111.
- Practical 3 : Problems on Unit 4(Written) from MT-111.
- Practical 4 :Introduction to maxima software forMT-111.
- Practical 5 : Problems on unit 1 and unit 2 from MT-111using maxima software.
- Practical 6 : Problems on Unit 3 and Unit 4 from MT-111using maxima software.
- Practical 7: Problems on Unit 1 and Unit 2(Written) from MT-112.
- Practical 8 : Problems on Unit 3 (Written) from MT-112.
- Practical 9 : Problems on Unit 4(Written) from MT-112.
- Practical 10 :Introduction to maxima software for MT-112.
- Practical 11 : Problems on unit 1 and unit 2 from MT-112using maxima software.
- Practical 12 : Problems on Unit 3 and Unit 4 from MT-112 using maxima software.

Note:

- 1 The soft copy of practicals on maxima software will be prepared and provided by the Board of Studies in mathematics.
2. Practicals on maxima software can be performed on computer and android mobiles.
3. Android mobiles are allowed for practical examination on maxima software .
- 4.Practical examination of 25 marks on written problems, 10 marks for problems on maxima software (5 marks for writing syntax and 5 marks to perform the same on android mobile or computer).

Reference books:

1. Introduction to Real analysis, William F.Trench, Free edition, 2010.
2. Calculus of a single variable Ron Larson , Bruce Edwards, tenth edition.
3. Elementary Analysis, The Theory of Calculus, Kenneth A. Ross, Springer Publication, second edition.
4. Calculus and its Applications, Marvin L. Bittinger, David J. Ellenbogen and Scott A. Surgent, Addison Wesley, tenth edition.
5. Ordinary and partial Differential equations,M.D. Raisingania, S. Chand andCompany,2009.

MT 123: Mathematics Practical

(Practical based on the applications of articles in MT 121 and MT 122)

In Semester-II, we should conduct 4 written practical and 2 practical on maxima software for each paper MT-121 and MT-122.

List of Practical

- Practical 1 : Problems on Unit 1 (Written) from MT-121.
Practical 2 : Problems on Unit 2 (Written) from MT-121.
Practical 3 : Problems on Unit 3(Written) from MT-121.
Practical 4 :Problems on Unit 4(Written) from MT-121.
Practical 5 : Problems on unit 1 and unit 2 from MT-121using maxima software.
Practical 6 : Problems on Unit 3 and Unit 4 from MT-121using maxima software.
Practical 7: Problems on Unit 1 (Written) from MT-122.
Practical 8 : Problems on Unit 2 (Written) from MT-122.
Practical 9 : Problems on Unit 3(Written) from MT-122.
Practical 10 :Problems on Unit 4(Written) from MT-122.
Practical 11 : Problems on unit 1 and Unit 2 from MT-122using maxima software.
Practical 12: Problems on Unit 3 and Unit 4from MT-122 using maxima software.

Note:

- 1 The soft copy of practical on maxima software **will** be prepared and provided by the Board of Studies in mathematics.
2. Practicals on maxima software can be performed on computer and android mobiles.
3. Android mobiles are **allowed** for practical examination on maxima software .
- 4.Practical examination 25 marks on written problems, 10 marks for problems on maxima software (5 marks for writing syntax and 5 marks to perform the same on android mobile or computer).

CBCS: 2020-2021 T. Y. B. Sc. Mathematics



Savitribai Phule Pune University

(Formerly University of Pune)

Three Year B.Sc. Degree Program in Mathematics
(Faculty of Science and Technology)

T.Y.B.Sc. (Mathematics)

Choice Based Credit System Syllabus

(With effect from June 2021)

To be implemented from Academic Year 2021-2022

Title of the Course: B. Sc. (Mathematics)**Preamble:**

University of Pune has decided to change the syllabi of various faculties from June, 2019. Taking into consideration the rapid changes in science and technology and new approaches in different areas of mathematics and related subjects, Board of Studies in Mathematics with concern of the teachers of Mathematics from different colleges affiliated to University of Pune has prepared the syllabus of T.Y.B.Sc. Mathematics. To develop the syllabus the U.G.C. Model curriculum is followed.

Programme Specific Outcome (PSO)

- i) Give the students a sufficient knowledge of fundamental principles, methods and a clear perception of innumerable power of mathematical ideas and tools and know how to use them by modeling, solving and interpreting.
- ii) To equip the students sufficiently in both analytical and computational skills in Mathematical Sciences.
- iii) To develop a competitive attitude for building a strong academic - industrial collaboration, with focus on continuous learning skills.
- iv) Enhancing students overall development and to equip them with mathematical modeling abilities, problem solving skills, creative talent and power of communication necessary for various kinds of employment.
- v) Enabling students to develop a positive attitude towards mathematics as an interesting and valuable subject of study.
- vi) Enabling students to Gauge the hypothesis, theories, techniques and proofs provisionally.

Programme Outcome:(PO)

A graduate of this program are expected to:

- i) Gain sound knowledge on fundamental principles and concepts of Mathematics and computing with their applications related to Industrial, Engineering, Biological and Ecological problems.
- ii) Exhibit in depth the analytical and critical thinking to identify, formulate and solve real world problems of science and engineering.
- iii) Get a relational understanding of mathematical concepts and concerned structures, and should be able to follow the patterns involved, mathematical reasoning.
- iv) A student should get adequate exposure to global and local concerns that explore them many aspects of Mathematical Sciences.
- v) Apply their skills and knowledge, that is, translate information presented verbally into mathematical form, select and use appropriate mathematical formulae or techniques in order to process the information and draw the relevant conclusion.
- vi) Be capable of undertaking suitable experiments/research methods while solving the real-life problem and would arrive at valid conclusions based on appropriate interpretations of data and experimental results.

- vii) Develop written and oral communications skills in order to effectively communicate design, analysis and research results.
- viii) Demonstrate appropriate inter-personal skills to function effectively as an individual, as a member or as a leader of a team and in a multi-disciplinary setting.
- ix) Acquire competent positions in industry and academia as well.

Eligibility:

S.Y.B.Sc. (with Mathematics) or T.Y.B.Sc. Computer Science as per University rules.

Medium of Instruction: English

Structure of the Course:

Semester –V		Semester-VI	
DSE-1A	MT 351: Metric Spaces	DSE-4A	MT 361: Complex Analysis
DSE-1 B	MT 352: Real Analysis-I	DSE-4 B	MT 362: Real Analysis-II
DSE-2 A	MT 353: Group Theory	DSE-5 A	MT 363: Ring Theory
DSE-2 B	MT 354: Ordinary Differential Equations	DSE-5 B	MT 364: Partial Differential Equations
Select any one out of three		Select any one out of three	
DSE-3A	MT 355(A): Operations Research MT 355(B): Differential Geometry MT 355(C): C- Programming	DSE-6A	MT 365(A): Optimization Techniques MT 365(B): Calculus of Variation and Classical Mechanics MT 365(C): Financial Mathematics
Select any one out of three		Select any one out of three	
DSE-3B	MT 356(A): Machine Learning-I MT 356(B): Number Theory MT 356(C): Laplace Transform and Fourier Series	DSE-6B	MT 366(A): Machine Learning-II MT 366(B): Computational Geometry MT 366(C): Lebesgue Integration
Practical Lab		Practical Lab	
DSE-1	MT 357: Practical Course Lab-1 (on Metric Space and Real Analysis-I)	DSE-4	MT 367: Practical Course Lab-1 (on Complex Analysis and Real Analysis-II)
DSE-2	MT 358: Practical Course Lab-II (on Group Theory and Ordinary Differential equations)	DSE-5	MT 368: Practical Course Lab-II (on Ring Theory and Partial Differential Equations)
DSE-3	MT 359: Practical Course Lab-III (on DSE-3A and DSE-3B)	DSE-6	MT 369: Practical Course Lab-III (on DSE-6A and DSE-6B)
SEC-I	MT -3510: Programming in Python-I	SEC-III	MT 3610: Programming in Python-II
SEC-II	MT-3511: LaTeX for Scientific Writing	SEC-IV	MT 3611: Mathematics into LaTeX

Unit 3. Preparing, running a complete C Program and Control Statements: [10 Lectures]

- 3.1 Preliminaries. The while statement. The do-while statement.
- 3.2 The for statement, Nested loops. The if-else statement. The switch statement.
- 3.3. The break statement. The continue statement. The comma operator. The goto statement.

Unit 4. Functions and Arrays: [14 Lectures]

- 4.1 Introduction to a function. Defining a function. Accessing a function.
- 4.2 Passing arguments to a function. Function prototypes, Recursion, Defining an array.
- 4.3 Processing an array. Passing arrays to functions. Multidimensional arrays. Arrays and strings.

Text Book:

1. Programming with C. By Byron S. Gottfried. Schaum's Outline series.

Unit-1: Chapters: 1, 2, 3, Unit-2: Chapter: 4, Unit-3: Chapters: 5, 6.

Unit-4: Chapters: 7, 9.

Reference Books:

- 1. The C Programming Language. By Brian W. Kernighan, Dennis M. Ritchie, 2nd Edition.
- 2. Spirit of C: An Introduction to Modern Programming. By Henry Mullish and Herbert L. Cooper, Jaico Publishers.

DSE-3B: MT-356(A): Machine Learning-I (2 credits)

Course Objectives:

Students will try to learn:

- 1. To introduce students to the basic concepts and techniques of Machine Learning.
- 2. To become familiar with **introduction to NumPy Array and Matrices**.
- 3. To become familiar with discover and visualize data to gain insights.
- 4. To become familiar with Fine-tuning the model - Grid Search, Randomized Search.
- 5. To develop the ability to write database applications in Python.

Course Learning Outcomes:

Upon successful completion of this course the student will be able to:

- 1. Gain knowledge about basic concepts of Machine Learning.
- 2. Identify machine learning techniques suitable for a given problem.
- 3. Solve the problems using various machine learning techniques.

Course Contents:

Unit 1: Introduction to Machine Learning

[08 Lectures]

- 1.1 What & why behind machine learning
- 1.2 Types of Machine Learning - Supervised vs Unsupervised
- 1.3 Model Based Training
- 1.4 Main challenges of Machine Learning
- 1.5. Testing and Validating

Unit 2: Introduction to Python

[08 Lectures]

- 2.1 The Way Of The Program
- 2.2 Variables, Expressions and Statements

- 2.3 Functions
- 2.4 Conditionals and Recursion
- 2.5 Strings
- 2.6 Lists

Unit 3: Understanding ML related Python Packages

[10 Lectures]

- 3.1 Numpy Basics: Arrays and Vectorized Computation
 - 1. The NumPyndarray: A Multidimensional Array Object
 - 2. Universal Functions: Fast Element-wise Array Functions
 - 3. Data Processing Using Arrays
 - 4. Linear Algebra
- 3.2 Getting Started with Pandas
 - 1. Introduction to pandas Data Structures
 - 2. Essential Functionality
 - 3. Summarizing and Computing Descriptive Statistics
 - 4. Handling Missing Data
 - 5. Hierarchical Indexing
- 3.3 Plotting and Visualization
 - 1. A Brief matplotlib API Primer
 - 2. Plotting Functions in Pandas
 - 3. Plotting Maps: Visualizing Haiti Earthquake Crisis Data

Unit 4: End to End Machine Learning Project

[10 Lectures]

- 4.1 Get the data
- 4.2 Discover & Visualize the data to gain insights
- 4.3 Preparing the data for machine learning - Cleaning, Handling categorical values, Feature scaling
- 4.5 Select and Train a model - Training and Evaluating on the Training Set
- 4.4 Fine-tuning the model - Grid Search, Randomized Search

Text Books:-

1. **Hands-on Machine Learning with Scikit-Learn, Keras and Tensorflow–AurelienHeron, Sections: 1, 2**
2. **Python for Data Analysis by Wes McKinney (O’ Reilly publication)Chapter -4:4.1, 4.2, 4.3, 4.5, Chapter -5: 5.1, 5.2, 5.3, 5.4, 5.5, Chapter-8:8.1, 8.2, 8.3**
3. **Allen Downey,Think Python,How to Think Like a Computer Scientist, Green Tea Press Needham, Massachusetts, 2015, Sections - 1, 2, 3, 5, 8, 10**

Reference Book:-

1. Introduction to Machine Learning With Python - Andreas C. Muller & Sarah Guide
2. Head first Python by Paul Barry (O Reilly publication)
3. Jason Brownlee - Basics of Linear Algebra for Machine Learning, 2018
4. M. P. Deisenroth, A. A. Faisal, C. S. Ong - Mathematics for Machine Learning, Cambridge University Press, 2019
5. DipanjanSarkar, Raghav Bali, Tushar Sharma - Practical Machine Learning with Python, 2018.
6. **Extra Reference Resources -**
[geeksforgeeks.org/machine-learning](https://www.geeksforgeeks.org/machine-learning)
<https://towardsdatascience.com/search?q=machine%20learningwww.kaggle.com>

Practical 2: Python Data Types- II (Unit 2)
Practical 3: Control statements in Python-I (Unit 2)
Practical 4: Control statements in Python-II (Unit 2)
Practical 5: Python collection type - List (Unit 2)
Practical 6: Data handling with Panda - 1 (Unit 3)
Practical 7: Data handling with Panda - 2 (Unit 3)
Practical 8: Data visualization with Matplotlib (Unit 3)
Practical 9: Introduction to scikit-learn (Unit 3)
Practical 10: End to end model implementation - 1 (Unit 4)
Practical 11: End to end model implementation - 2 (Unit 4)
Practical 12: End to end model implementation - 3 (Unit 4)

OR

Section-II(B): Number Theory Practical

Practical 1: Divisibility and GCD – I (Unit 1)
Practical 2: Divisibility and GCD – II (Unit 1)
Practical 3: Congruences (Unit 2)
Practical 4: Quadratic Reciprocity (Unit 3)
Practical 5: Number Theoretic Functions (Unit 4)
Practical 6: Linear Diophantine Equations, Pythagorean Triplets (Unit 5)

OR

Section-II(C): Laplace Transforms and Fourier Series Practical

Practical 1: The Laplace Transform (Unit 1: 1.1, 1.2, 1.3, 1.4)
Practical 2: Special Functions (Unit 1: 1.5, 1.6)
Practical 3: The Inverse Laplace Transform-I (Unit 2: 2.1, 2.2, 2.3, 2.4)
Practical 4: The Inverse Laplace Transform-II (Unit 2: 2.4, 2.5)
Practical 5: Applications to Differential Equations (Unit 3)
Practical 6: Fourier Series (Unit 4)

SEC-I: MT -3510: Programming in Python-I (2 credits)

Course Objectives:

1. To understand why **Python** is a useful scripting language for developers.
2. To learn how to use lists, tuples, and dictionaries in **Python** programs.

3. To learn and understand python looping, control statements and string manipulations.
4. To acquire programming skills in core Python.

Course Learning Outcomes: At the end of the course:

1. The student will be able to explain basic principles of Python programming language.
2. The student will implement object oriented concepts.

Course Contents:

Unit 1: Introduction to Python

[06 Lectures]

- 1.1 Installation of Python
- 1.2 Values and types: int, float and str,
- 1.3 The Print Function: Print basics
- 1.4 Variables: assignment statements, printing variable values, types of variables.
- 1.5 Mathematical Operators, operands and precedence: +, -, /, *, **, % PEMDAS (Rules of precedence)
- 1.6 String operations: + : Concatenation, * : Repetition
- 1.7 Boolean operator:
 - 1.7.1 Comparison operators: ==, !=, >, =, <=
 - 1.7.2 Logical operators: and, or, not
- 1.8 Mathematical functions from math, cmath modules, random module
- 1.9 Keyboard input: input() statement
- 1.10 Calculus: Differentiation, Integration, Limit and Series

Unit 2: String, list, tuple

[06 Lectures]

- 2.1 Strings:
 - 2.1.1 Length (Len function)
 - 2.1.2 String traversal: Using while statement, Using for statement
 - 2.1.3 String slice
 - 2.1.4 Comparison operators (>, <, ==)
- 2.2 Lists:
 - 2.2.1 List operations
 - 2.2.2 Use of range function
 - 2.2.3 Accessing list elements
 - 2.2.4 List membership and for loop
 - 2.2.5 List operations
 - 2.2.6 Updating list: addition, removal or updating of elements of a list
- 2.3 Tuples:
 - 2.3.1 Defining a tuple,
 - 2.3.2 Index operator,
 - 2.3.3 Slice operator,
 - 2.3.4 Tuple assignment,
 - 2.3.5 Tuple as a return value

Unit 3: Iterations and Conditional statements

[10 Lectures]

- 3.1 Conditional and alternative statements, Chained and Nested Conditionals:
if, if-else, if-elif-else, nested if, nested if-else
- 3.2 Looping statements such as while, for etc, Tables using while.
- 3.3 Functions:

- 3.3.1 Calling functions: type, id
- 3.3.2 Type conversion: int, float, str
- 3.3.3 Composition of functions, Returning values from functions
- 3.3.4 User defined functions, Parameters and arguments

Unit 4: Linear Algebra **[04 Lectures]**

- 4.1 Matrix construct, eye(n), zeros(n,m) matrices
- 4.2 Addition, Subtraction, Multiplication of matrices, powers and invers of a matrix.
- 4.3 Accessing Rows and Columns, Deleting and Inserting Rows and Columns
- 4.4 Determinant, reduced row echelon form, nullspace, column space, Rank
- 4.5 Solving systems of linear equations (Gauss Elimination Method, Gauss Jordan Method, LU- decomposition Method)
- 4.6 Eigenvalues, Eigenvectors, and Diagonalization

Unit 5: Numerical methods in Python **[06 Lectures]**

- 5.1 Roots of Equations
- 5.2 Newton-Raphson Method
- 5.3 False Position (RegulaFalsi) Method
- 5.4 Numerical Integration:
 - 5.4.1 Trapezoidal Rule,
 - 5.4.2 Simpson's 1/3rd Rule,
 - 5.4.3 Simpson's 3/8th Rule

Unit 6: 2D and 3D Graphs **[04 Lectures]**

- 6.1 Installation of numpy, matplotlib packages
- 6.2 Graphs plotting of functions
- 6.3 Different formats of graphs, PyDotPlus (Scalable Vector Graphics), PyGraphviz.
 - Decorate Graphs with Plot Styles and Types:** Markers and line styles, Control colors, Specifying styles in multiline plots, Control linestyle, Control marker styles.
 - Polar charts:** Navigation Toolbar with polar plots, Control radial and angular grids.
- 6.4 Three-dimensional Points and Lines
- 6.5 Three-dimensional Contour Plots, Wireframes and Surface Plots.

Practicals:

Practical 1: Introduction to Python, Python Data Types-I (Unit 1)

Practical 2: Python Data Types- II (Unit 2)

Practical 3: Control statements in Python-I (Unit 3- 3.1, 3.2)

Practical 4: Control statements in Python-II (Unit 3- 3.3)

Practical 5: Application: Matrices (Unit 4 – 4.1-4.3)

Practical 6: Application: Determinants, system of Linear Equations (Unit 4- 4.4, 4.5)

Practical 7: Application: System of equations (Unit 4- 4.5)

Practical 8: Application: Eigenvalues, Eigenvectors (Unit 4 – 4.6)

Practical 9: Application: Eigenvalues, Eigenvectors (Unit 4 – 4.6)

Practical 10: Application: Roots of equations (Unit 5 – 5.1)

Practical 11: Application: Numerical integration (Unit 5 – 5.2, 5.3,5.4)

Practical 12: Graph Plotting (Unit 6)

Text Books:-

1. Allen Downey, Think Python, How to Think Like a Computer Scientist, Green Tea Press Needham, Massachusetts, 2015,
Unit1-1: Chapter-1:1.1-1.5, Chapter-2: 2.1-2.6, Chapter-3: 3.1-3.6, Chapter-5: 5.1-5.3
Unit1-2: Chapter-8: 8.1-1.5, Chapter-10: 10.12, Chapter-12: 12.1.- 12.6
Unit-3: Chapter 5:5.4 -5.7, Chapter 7: 7.1-7-7.5
2. Robert Johansson, Introduction to Scientific Computing in Python, 2016
Unit-1: 6.5-6.8
Unit- 4: Chapter-4: 4.6 (4.6.1 - 4.6.6), Chapter-6: 6.9-6.10, Unit-5: Chapter-4: 4.8,
Unit-6: Chapter-5
3. Hans-Petter Halvorsen, Python for Scientific engineering, 2020 Unit-5: Chapter-31

Reference Books:-

1. Lambert K. A., Fundamentals of Python - First Programs, Cengage Learning India, 2015.
2. Guzdial, M. J., Introduction to Computing and Programming in Python, Pearson India.
3. Perkovic, L., Introduction to Computing Using Python, 2/e, John Wiley, 2015. Zelle, J., Python Programming: An Introduction to Computer Science, Franklin, Beedle and Associates Inc.
4. Sandro Tosi, Matplotlib for Python Developers, Packt Publishing Ltd. (2009) BIRMINGHAM – MUMBAI. (Use for 2D and 3D plots and also use Lambert K. A book).
5. Python: Notes for Professionals, Goalkicker.com, Free Programming books.

SEC-II: MT-3511: LaTeX for Scientific Writing (2 credits)

Course Objectives: The purpose of this course is

- i) To provide an understanding of the basic mechanisms of LaTeX, using plain text as a vehicle
- ii) To acquaint students with the latest typesetting skills, which shall enable them to prepare high quality typesetting.

Course Learning Outcomes: After studying this course the student will be able to:

- i) Write a simple LaTeX input document based on the article class.
- ii) Turn the input document into pdf with the pdflatex program.
- iii) Format Words, Lines, and Paragraphs.
- iv) Understand how to present data using tables.

Course Contents:

Unit 1. Introduction to LaTeX

[06 Lectures]

- 1.1 Definition and application of LaTeX
- 1.2 Preparation and Compilation of LaTeX input file
- 1.3 LaTeX Syntax
- 1.4 Keyboard Characters in LaTeX

Unit 2. Formatting Words, Lines, and Paragraphs

[09 Lectures]

- 2.1 Text and Math Mode Fonts.
- 2.2 Emphasized and Colored Fonts

- 2.3 Sectional Units
- 2.4 Labeling and Referring Numbered Items
- 2.5 Texts Alignment and Quoted text
- 2.6 New Lines and Paragraphs
- 2.7 Creating and Filling Blank Space
- 2.8 Producing Dashes Within Texts

Unit 3. Listing and Tabbing Texts [09 Lectures]

- 3.1 Listing Texts
- 3.2 Tabbing Texts Through the tabbing Environment

Unit 4. Table Preparation [12 Lectures]

- 4.1 Table Through the tabular Environment
- 4.2 Table Through the tabularx Environment
- 4.3 Vertical Positioning of Tables
- 4.4 Sideways (Rotated) Texts in Tables
- 4.5 Adjusting Column Width in Tables
- 4.6 Additional Provisions for Customizing Columns of Tables
- 4.7 Merging Rows and Columns of Tables.

Practicals:

Practical 1: Introduction to LaTeX (Unit-1; 1.1, 1.2)

Practical 2: Syntax and Keyboard Characters in LaTeX (Unit-1; 1.3, 1.4)

Practical 3: Fonts in LaTeX (Unit -2; 2.1, 2.2)

Practical 4: Sections, Labelling and Text Alignment in LaTeX (Unit-2; 2.3, 2.4, 2.5)

Practical 5: New Lines, Paragraphs, Blank Space and Dashes in LaTeX (Unit-2; 2.6-2.8)

Practical 6: Listing Texts -I (Unit-3; 3.1[Chapter 6, 6.1.1, 6.1.2])

Practical 7: Listing Texts -II (Unit-3; 3.1[Chapter 6, 6.1.3, 6.1.4, 6.1.5])

Practical 8: Tabbing Texts (Unit-3; 3.2)

Practical 9: Table Through the tabular Environment (Unit-4; 4.1)

Practical 10: Table Through the tabularx Environment (Unit-4; 4.2)

Practical 11: Positioning and Texts in Tables (Unit-4; 4.3, 4.4)

Practical 12: Customizing Tables in LaTeX (Unit-4; 4.5, 4.6, 4.7)

Text Book:

1. **LaTeX in 24 Hours, A Practical Guide for Scientific Writing, Dilip Datta, Springer International Publishing AG, 2017.**

Unit 1: Chapter 1; 1.1 to 1.6, Unit 2: Chapter 2; 2.1 to 2.4, Chapter 3; 3.1 to 3.7

Unit 3: Chapter 6; 6.1, 6.2, Unit 4: Chapter 7; 7.1 to 7.7

Reference Books:

1. LaTeX, A Document Preparation System, User's Guide and Reference Manual, Leslie Lamport, Addison-Wesley Publishing Company, Inc., 1994.
2. LaTeX Beginner's Guide, Stefan Kottwitz, Packt Publishing Ltd, 2011.

Course Learning Outcomes: The course will enable the students to:

- i) describe and explain the fundamental features of a financial instruments.
- ii) demonstrate a clear understanding of financial research planning, methodology and implementation.
- iii) demonstrate understanding of basic concepts in linear algebra, relating to linear equations, matrices, and optimization.
- iv) demonstrate understanding of concepts relating to functions and annuities.

Course Contents:

Unit 1: Mathematical models in economics, recurrences, and the elements of finance

[08 Lectures]

- 1.1 Introduction, a model of the market, market equilibrium and excise tax.
- 1.2 The first-order recurrence, limits, special cases, continuous compounding of interest.
- 1.3 Interest and capital growth, income generation, the interval of compounding.

Unit 2: The Cobweb model, and Introduction to optimization

[10 Lectures]

- 2.1 Stability of market equilibrium, the general linear case and economic interpretation.
- 2.2 Marginal cost as a derivative, Profit maximization, critical points, optimization in an interval and infinite intervals.

Unit 3: The derivative in economics

[08 Lectures]

- 3.1 Elasticity of demand, profit maximization again.
- 3.2 Competition versus monopoly, the efficient small firm, startup and break-even points.

Unit 4: Linear equations and the input-output model

[10 Lectures]

- 4.1 Making money with matrices, a two-industry 'economy', arbitrage portfolios and state prices and IS-LM analysis.
- 4.2 An economy with many industries and the technology matrix.

Text Book:

1. **Martin Anthony and Norman Biggs, Mathematics for Economics and Finance Methods and Modeling, Cambridge University Press, Reprint 2012.**
Unit-1: Chapters-3: 3.2, 3.3, 3.4 and Chapter-4,
Unit-2: Chapter-5, Chapter-6: 6.3, Chapter-8
Unit-3: Chapter-9, Chapter-10,
Unit-4: Chapter-15:15.3, Chapter-16:16.1, Chapter-17:17.4, Chapter-18:18.5,
Chapter- 19.

Reference Books:

1. Edward T. Dowling, Mathematical Economics, Second Edition, Schaum's Outline Series, McGraw Hill International Edition.
2. AswathDamodaran, Corporate Finance- Theory and Practice, John Wiley and Sons, Inc.
3. Sheldon M. Ross, An Introduction to Mathematical Finance, Cambridge University Press.

DSE-6B: MT-366(A): Machine Learning-II (2 Credits)

Course Objectives:

The main goal of this course is to help students learn, understand, and practice machine learning approaches, which include the study of modern computing big data technologies and scaling up machine learning techniques focusing on industry applications.

Course Learning Outcomes:

The students learning outcomes are designed to specify what the students will be able to perform after completion of the course: Ability to select and implement machine learning techniques and computing environment that are suitable for the applications under consideration.

Course Contents:**Unit 1: Classification of MNIST dataset****[10 Lectures]**

1.1 MNIST

1.2 Training a Binary Classifier

1.3 Performance Measures - Measuring accuracy using Cross Validation, Confusion Matrix, Precision and Recall

1.4 Multiclass Classification

1.5 Multilabel Classification

Unit 2: Linear Regression**[10 Lectures]**

2.1 Linear Regression

1. The Normal Equation

2.2 Gradient Descent

1. Batch Gradient Descent

2. Stochastic Gradient Descent

3. Mini-batch Gradient Descent

2.3 Polynomial Regression

Unit 3: Logistic Regression**[06 Lectures]**

3.1 Estimating Probabilities

3.2 Training and Cost Function

3.3 Decision Boundary

3.4 Softmax Regression

Unit 4: Other Supervised Algorithms**[10 Lectures]**

4.1 K Nearest Neighbors

4.2 Decision Trees

4.3 Ensembles of Decision Trees - Random Forest

4.4 Support Vector Machines

Text Books:-

1. **Hands-on Machine Learning with Scikit-Learn, Keras and Tensorflow – Aurelien Geron. Chapter-3:** Sections: 3.1, 3.2, 3.3, 3.4, 3.6, **Chapter-4:** 4.1, 4.2, 4.3, 4.6
2. **Introduction to Machine Learning With Python - Andreas C. Muller & Sarah Guido,** Chapter-2: Sections: 2.2.2, 2.2.5, 2.2.6, 2.2.7

Reference Book:-

1. Introduction to Machine Learning With Python - Andreas C. Muller & Sarah Guide.
2. Head first Python by Paul Barry (O Reilly publication).
3. Jason Brownlee - Basics of Linear Algebra for Machine Learning, 2018.
4. M. P. Deisenroth, A. A. Faisal, C. S. Ong - Mathematics for Machine Learning, Cambridge University Press, 2019.

5. DipanjanSarkar, Raghav Bali, Tushar Sharma - Practical Machine Learning with Python, 2018.
6. Andrew Ng Playlist - https://www.youtube.com/playlist?list=PLLsT5z_DsK-h9vYZkQkYNWcltqhlRJLN (First 4 Lectures (till 4.6))
<https://towardsdatascience.com/search?q=machine%20learningwww.kaggle.com>
[geeksforggeeks.org/machine-learning](https://www.kaggle.com/geeksforggeeks/machine-learning)

DSE-6B: MT- 366(B): Computational Geometry(2 credits)

Course Objectives: This course enables the students to gain detailed knowledge of the fundamental problems within computation geometry and general techniques for solving problems within computational geometry and practical experience with implementation issues involved in converting computation geometry algorithms into running programs.

Course Learning Outcomes: The course will enable the students to:

- v) construct algorithms for simple geometrical problems.
- vi) characterize invariance properties of Euclidean geometry by groups of transformations.
- vii) describe and construct basic geometric shapes and concepts by computational means.

Course Contents:

Unit 1: Two Dimensional Transformations

[12 Lectures]

- 1.1 Introduction.
- 1.2 Representation of points.
- 1.3 Transformations and matrices.
- 1.4 Transformation of – points, straight lines.
- 1.5 Midpoint Transformation.
- 1.6 Transformation of – parallel lines, intersecting lines.
- 1.7 Transformation: rotations, reflections, scaling.
- 1.8 Combined transformations.
- 1.9 Transformation of a unit square.
- 1.10 Solid body transformations.
- 1.11 Translations and homogeneous coordinates.
- 1.12 Rotation about an arbitrary point.
- 1.13 Reflection through an arbitrary line.
- 1.14 Projection – A Geometric Interpretation of Homogeneous Coordinates.
- 1.15 Overall Scaling.
- 1.16 Points at Infinity.

Unit 2: Three Dimensional Transformations

[08 Lectures]

- 2.1 Introduction.
- 2.2 Three dimensional – Scaling, shearing, rotation, reflection, translation.
- 2.3 Multiple transformations.
- 2.4 Rotation about – an axis parallel to coordinate axes, an arbitrary axis in space.
- 2.5 Reflection through an arbitrary plane.

Unit 3: Projection

[08 Lectures]

- 3.1 Orthographic projections.
- 3.2 Axonometric projections.

Practical 5: Projection (Unit 3)

Practical 6: Plane and Space Curve (Unit 4)

OR

Section-II(C): Lebesgue Integration Practical

Practical 1: Length of Open and closed sets (Unit 1:1.1, 1.2)

Practical 2: Measurable Sets (Unit 1: 1.2, 1.3)

Practical 3: Measurable functions (Unit 2)

Practical 4: Lebesgue Integral - I (Unit 3: 3.1, 3.2, 3.3)

Practical 5: Lebesgue Integral - II (Unit 3: 3.3, 3.4)

Practical 6: Fourier Series (Unit 4: 4.1, 4.2)

SEC-III: MT-3610: Programming in Python –II(2 Credits)

Course Objectives:

1. To acquire Object Oriented Skills in Python.
2. To develop the skill of designing Graphical user Interfaces in Python.
3. To learn and understand Python programming basics and paradigm.
4. To learn the concepts of visualization of data and database connectivity.
5. To develop the ability to write database applications in Python.

Course Learning Outcomes:

Upon successful completion of this course the student will be able to:

1. Demonstrate the use of Python in Mathematics such as operations research and computational Geometry etc.
2. Study graphics and design and implement a program to solve a real world problem.
3. The students will implement the concepts of data with python and database connectivity.

Course Contents:

Unit 1: Graphics

[06 Lectures]

- 1.1 Turtle Graphics: Overview of Turtle Graphics , Turtle Operations, Object Instantiation and the turtle graphics Module.
- 1.2 Drawing Two-Dimensional Shapes
- 1.3 Taking a Random Walk
- 1.4 Colors and the RGB System
- 1.5 Drawing with Random Colors
- 1.6 Using the str Function with Objects.

Unit 2: Data Visualization with Python

[04 Lectures]

- 2.1 Seaborn
- 2.2 Matplotlib
- 2.3 Plotly
- 2.4 MayaVI

Unit 3: Dictionary and Sorting, Minimum and Maximum: [08 Lectures]

- 3.1 Introduction to Dictionary , Avoiding Key Error Exceptions, Iterating Over a Dictionary,
- 3.2 Dictionary with default values, Merging dictionaries, Accessing keys and values, Accessing values of a dictionary, Creating dictionary, Creating an ordered dictionary, Unpacking dictionaries using the ** operator.
- 3.3 Sorting, Minimum and Maximum: Special case: dictionaries, Using the key argument, Default Argument to max, min, Getting a sorted sequence, Extracting N largest or N smallest items from an iterable, Getting the minimum or maximum of several values, Minimum and Maximum of a sequence.

Unit 4: Computational Geometry [10 Lectures]

- 4.1 Points: The distance between two points, Lists of Points - the PointList class, Integer point lists, Ordered Point sets, Extreme Points of a PointList, Random sets of Points not in general position.
- 4.2 Points: Displaying Points and other geometrical objects, Lines, rays, and line segments, The geometry of line segments, Displaying lines, rays and line segments.
- 4.3 Polygon: Representing polygons in Python, Triangles, Signed area of a triangle, Triangles and the relationships of points to lines, is Collinear, is Left, is Left On, is Right, is Right On, Between
- 4.4 Two dimensional rotation and reflection
- 4.5 Three dimensional rotation and reflection
- 4.6 Generation of Bezier curve with given control points

Unit 5: Study of Operational Research in Python [08 Lectures]

- 5.1 Linear Programming in Python
- 5.2 Introduction to Simplex Method in Python

Practicals:

Practical 1: Turtle Graphics (Unit 1)

Practical 2: Data Visualization (Unit 2)

Practical 3: Dictionary and Sorting, Minimum and Maximum (Unit 3)

Practical 4: Application to Computational Geometry-I (Unit 4)

Practical 5: Application to Computational Geometry-II (Unit 4)

Practical 6: Application to Computational Geometry-II (Unit 4)

Practical 7: Study of Graphical aspects of Two dimensional transformation matrix using Matplotlib (Unit 4)

Practical 8: Study of Graphical aspects of Three dimensional transformation matrix using Matplotlib (Unit 4)

Practical 9: Study of Graphical aspects of Three dimensional transformation matrix using Matplotlib and Study of effect of concatenation of Two dimensional and Three dimensional transformations (Unit 4)

Practical 10: Generation of Bezier curve using given control points (Unit 4)

Practical 11: Study of Operational Research in Python (Unit 5-5.1)

Practical 12: Study of Operational Research in Python (Unit 5-5.2)

Text Books:

1. **Kenneth A. Lambert, Fundamentals of Python: From First Programs to DataStructure, Martin Osborne, 2010, Course Technology, Cengage Learning.**
Unit-1: Chapter-7: Sec-7.1.1 to 7.1.8
2. **Python: Notes for Professionals, Goalkicker.com, Free Programming books.**
Unit-2: Chapter-108, Unit-3: Chapter-19 Section: 19.1 to 19.10 and Chapter-72: Section: 72.1 to 72.8
3. **Jim Arlow, Interactive Computational Geometry in Python.**
Unit-4: Chapter-1: Sec.-1 to 7, Chapter-2: Sec.-1 to 2, Chapter-3: Sec.-1, 3 to 11, Chapter-4: Sec.-1 to 3, :Chapter-5: Sec.-3 to 7.
4. **Operations Research: Unit-5: <https://pypi.org/project/PuLP/>**

Reference Books:

1. Guzdial, M. J., Introduction to Computing and Programming in Python, Pearson India.
2. Perkovic, L., Introduction to Computing Using Python, 2/e, John Wiley, 2015.
3. Zelle, J., Python Programming: An Introduction to Computer Science, Franklin, Beedle and Associates Inc.
4. Jim Arlow, Interactive Computational Geometry in Python.
5. Robert Johansson, Introduction to Scientific Computing in Python.
6. Jason Brownlee, Basics of Linear Algebra for Machine Learning, Discover the Mathematical Language of Data in Python.
7. Jaan Kiusalaas, Numerical Methods in Engineering with Python, Cambridge University Press, (2005).

SEC-IV: MT-3611: Mathematics into LaTeX (2 Credits)

Course Objectives: The purpose of this course is to acquaint students with typesetting basic Mathematics in LaTeX.

Course Learning Outcomes: After studying this course the student will be able to:

- i) typeset mathematical formulas, use nested list, tabular and array environments.
- ii) import figures and pictures that are stored in external files.

Course Contents:

Unit 1. Figure Insertion

[06 Lectures]

- 1.1 Commands and Environment for Inserting Figures
- 1.2 Inserting a Simple Figure
- 1.3 Side-by-Side Figures
- 1.4 Sub-numbering a Group of Figures
- 1.5 Figures in Tables

Unit 2. Equation Writing -I

[12 Lectures]

- 2.1 Basic Mathematical Notations and Delimiters.
- 2.2 Mathematical Operators
- 2.3 Mathematical Expressions in Text-Mode

- 2.4 Simple Equations
- 2.5 Array of Equations
- 2.6 Left Aligning an Equation
- 2.7 Sub-numbering a Set of Equations

Unit 3. Equation Writing -II

[12 Lectures]

- 3.1 Texts and Blank Space in Math-Mode
- 3.2 Conditional Expression
- 3.3 Evaluation of Functional Values
- 3.4 Splitting an Equation into Multiple Lines
- 3.5 Vector and Matrix
- 3.6 Overlining and Underlining
- 3.7 Stacking Terms
- 3.8 Side-by-Side Equations

Unit 4. User-Defined Macros

[06 Lectures]

- 4.1 Defining New Commands
- 4.2 Defining New Environments

Practicals:

Practical 1: Commands and Environment for Inserting Figures (Unit 1: 1.1, 1.2)

Practical 2: More about Figure Insertion (Unit-1; 1.3, 1.4, 1.5)

Practical 3: Mathematical Notations, Operators and Expression in LaTeX (Unit 2: 2.1- 2.3)

Practical 4: Simple Equations (Unit-2: 2.4)

Practical 5: Array of Equations (Unit-2: 2.5)

Practical 6: Alignment and numbering a Set of Equations (Unit-2: 2.6, 2.7)

Practical 7: Texts, Blank Space and Conditional Expression in Math mode (Unit-3: 3.1, 3.2)

Practical 8: Evaluation of Functional Values and Splitting an Equation (Unit-3: 3.3, 3.4)

Practical 9: Vector and Matrix (Unit-3; 3.5)

Practical 10: More about equation writing in LaTeX (Unit-3: 3.6, 3.7, 3.8)

Practical 11: New Commands in LaTeX (Unit-4: 4.1)

Practical 12: New Environments in LaTeX (Unit-4: 4.2)

Text Book:

1. **LaTeX in 24 Hours, A Practical Guide for Scientific Writing, Dilip Datta, Springer International Publishing AG 2017.**

Unit 1: Chapter 9; 9.1 to 9.4, 9.8, Unit 2: Chapter 11; 11.1 to 11.7

Unit 3: Chapter 12; 12.1 to 12.8 , Unit 4: Chapter 13; 13.1, 13.3 (13.3.1, 13.3.2, 13.3.3)

Reference Books:

1. LaTeX, A Document Preparation System, User's Guide and Reference Manual, Leslie Lamport, Addison-Wesley Publishing Company, Inc., 1994.
2. LaTeX Beginner's Guide, Stefan Kottwitz, Packt Publishing Ltd, 2011.
3. LATEX and Friends, M.R.C. van Dongen, Springer-Verlag Berlin Heidelberg ,2012.
4. Math into LaTeX, George Gratzner, Springer Science Business Media New York, 1996.

Modalities For Conducting The Practical and The Practical Examination:

1. There will be one 4 hours and 20 minutes (260 minutes) practical session for each batch of 15 students per week for each practical course.
2. The College will conduct the Practical Examination at least 15 days before the commencement of the Main Theory Examination. The University practical examination will consist of written examination of 30 marks and oral examination of 05 marks.
3. There will be external examiner; the practical exam will be of the duration of 3hours. The teacher will set a question paper at the time of paper setting meeting conducted by SavitribaiPhule Pune University, Pune based on respective papers I and II given in **Practical Lab-I, Practical Lab-II and Practical Lab-III**, and the pattern is as follows
 - Q1. Any 3 out of 5 each question of 5 marks on paper – I (from Practical Lab-I, Practical Lab-II and Practical Lab-III).
 - Q2. Any 3 out of 5 each question of 5 marks on paper – II (from Practical Lab-I, Practical Lab-II and Practical Lab-III).
4. **SEC:MT -3510, MT -3511, MT -3610, MT -3611 University practical written examination of 30 marks, oral examination 05 marks and internal examination of 15 marks.**
5. **The courses MT-356(A): Machine Learning-I, MT-366(A): Machine Learning-II, MT -3510: Programming in Python -I, MT -3610: Programming in Python –II, MT-3511: LaTeX for Scientific Writing and MT 3611: Mathematics into LaTeX** will teach in Computer Laboratory with live sessions for better understanding of students.
6. Each student will maintain a journal to be provided by the college. The internal 15 marks will be given on the basis of journal prepared by student and the cumulative performance of student at practical. **Methods of assessment for Internal exams:** Seminars, Viva-voce, Projects, Surveys, Field visits, Tutorials, Assignment, Group Discussion.
7. It is recommended that concept may be illustrated using computer software (Python, Maxima etc.) and graphing calculators wherever possible.
8. Study tours may be arranged at places having important mathematical institutes or historical places.
9. **Special Instruction:**
 - a) There should be well equipped mathematics practical laboratory of size 20x20 sq. fts containing at least 20 computers because there are six papers based on Software's (like **Machine Learning-I & II, Programming in Python –I & II, LaTeX Software for Scientific Writing and Mathematics into LaTeX**).
 - b) Examiners should set separate question papers, solutions and scheme of marking for each batch and claim the remuneration as per University rule.
 - c) Before starting each practical necessary introduction, basic definitions, intuitive inspiring ideas and prerequisites must be discussed.

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