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S.V.K.T. Arts, Science and Commerce College, Deolali Camp, Nashik

TEACHING PLAN (Department of Zoology)

Semester-I (2017-2018)



Month	Class	Prof. L.S.Chandore	Theor y	Practical	Total	Prof. A.S Shahu	Theory	Practical	Total
June	F.Y.B.Sc.	Introduction to Cell biology & Scope of Biology. Structure & Function of Pro/Eukaryotic Cell	4	----	4	Principles of classification: Systematics-Linnaean hierarchy (Phylum, Class, Order, Family, Genus and Species) Binomial nomenclature Five kingdom classification system	2 2	4 4	12
	S.Y.B.Sc.	An introduction to fisheries and its types (in brief) : Freshwater fisheries, Marine fisheries, Brackish water fisheries	4 4	4	12	Salient features and classification upto classes of the following: (any two examples from each class) Arthropoda :- Crustacea, Arachnida, Insecta, Myriapoda, Onychophora.	4 4	-----	8
July	F.Y.B.Sc.	Structure of prokaryotic (E.coli) and eukaryotic (Plant and Animal) cell Structure and function of cell membrane: Chemical composition Fluid mosaic model Functions of plasma membrane	4 4	----	8	Salient features and classification upto classes of the following: Protozoa Porifera Coelenterata Platyhelminthes Aschehelminthes Annelida	4 4	4 4	16
	S.Y.B.Sc.	Different types of ponds used in fishery : Nursery pond, Rearing pond Stock pond Habit, habitat and culture methods of following freshwater forms :	4 4	4 4	16	Mollusca:- Aplacophora, Gastropoda, Pelecypoda, Scaphopoda, Cephalopoda Echinodermata:- Asteroidea, Ophuroidea, Holothuria, Echinoidea, Crinoidea	4 4 3	-----	11
August	F.Y.B.Sc.	Study of following cell organelles with respect to structure and functions in brief Endoplasmic reticulum Golgi complex Lysosomes, peroxisomes and glyoxysomes Ribosomes Mitochondria	4 4 6	----	14	Study of Paramoecium : Systematic position, Habit and habitat Structure, nutrition, excretion and reproduction (binary fission and conjugation)	2 2 4	4 4 4	20
	S.Y.B.Sc.	1.4 Harvesting methods of following marine forms : 4 a) Harpadon b) Mackerel c) Lobster d) Pearl oyster 1.5 Crafts and gears in Indian Fisher 1.6 Fishery byproducts : 2 a) Fish meal b) Fish flour c) Liver oil d) Ising glass e) Fish glue f) Fish manure g) Fish fin soup	4 4	4	12	Arthropoda:- Mouthparts in Insects, Metamorphosis in Insects, Mimicry in Insects, Economic importance of Insects, Larval forms in Crustacea Mollusca:- Economic importance of mollusc, Shell and foot	3 3 3	-----	15



		1.7 Fish preservation technique : a) Chilling b) Freezing c) Salting d)				modification in mollusc, Torsion and Detorsion in mollusc, Larval forms in molluscs Echinodermata:- Origin of Echinodermata, Types of Pedicellariae, Larval forms in Echinodermata,	3		
September	F.Y.B.Sc.	5.1 Endoplasmic reticulum 5.2 Golgi complex 5.3 Lysosomes, peroxisomes and glyoxysomes 5.4 Ribosomes 5.5 Mitochondria	4 4	----	8	Study of Earthworm ; Systematic position, Habit and habitat External characters Digestive system Circulatory system Excretory system Reproductive system Nervous system and sense organs Economic importance	2 2 2 2 2 4	4 4 4	28
	S.Y.B.Sc.	2. Agricultural Pests and their control : 2.1 An introduction to Pest, types of pests (agricultural, household, stored grain, structural, veterinary, forestry and nurse	4 4	4 4	16	Study of Starfish : Systematic position, Habit and habitat xternal characters Digestive system Water vascular system Reproductive system Autotomy and regeneration	2 2 2 2 4	-----	14
October	F.Y.B.Sc.	6. Nucleus: 5 6.1 Shape, size, number and position	4	----		Theory & Practical Examinations Supervisions			
	S.Y.B.Sc.	2.2 Major insect pests of agricultural importance	4	4	12	Theory & Practical Examinations Supervisions			
November	F.Y.B.Sc.	Cell division and their significance: 7 7.1 Cell cycle in brief	6	--		Theory & Practical Examinations Supervisions			
	S.Y.B.Sc.	2.3 Non insect pest : Rats and Bandicoots, Crabs, Snails, Slugs, Birds and Squirrels 2 2.4 Pest control practices in brief : Cultural control, Physical control, Mechanical control, Chemical control, Biological control, Pheromonal control and Concept of IPM in brief	4	4	14	Theory & Practical Examinations Supervisions			
Total					120				124

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Head,
Zooology department
Dept. of Zooology
S.V.K.T.Arts, Science and
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(Nashik)

Principal



S.V.K.T. Arts, Science and Commerce College, Deolali Camp, Nashik

TEACHING PLAN (Department of zoology)

Semister-II (2017-2018)

Month	Class	L.S.Chandore	Theory	Practical	Total	Prof. A.S Shahu	Theory	Practical	Total
December	F.Y.B.Sc.	1. Introduction to genetics: 4 1.1 Mendelian inheritance: laws of heredity and their practical application 1.2 Test cross and Back cross	4		4	Salient features and classification upto order with one example of the following: Hemichordata Urochordata Cephalochordata	2 2 2	4	14
	S.Y.B.Sc.	1. Apiculture : 1.1 An introduction to Apiculture, Study of habit, habitat and nesting behavior of Apis dorsata, Apis indica, Apis florae and Apis mellifera. 3 1.2 Life cycle, Colony organization and division of labour, Polymorphism 3	4 2	4 4	16	Salient features of following classes and its subclasses with two examples of each: Reptilia Aves	4 4		8
January	F.Y.B.Sc.	2. Gene Interaction: 5 2.1 Concept of gene interaction, co-dominance and incomplete dominance 2.2 Complementary factors (9:7) 2.3 Supplementary Factors (9: 3:4) 2.4 Inhibitory factors (13:3) 2.5 Duplicate dominant factors (15: 3. Lethal genes in Mus musculus	10	4 4	18	Salient features of following classes with two examples of each Pisces- Cartilaginous and Bony fishes Amphibia- Apoda, Urodela and Anura	2 2	4 4	12
	S.Y.B.Sc.	1.3 Bee behaviour and bee communication. 3 1.4 Bee keeping equipments : a) Bee box (Langstroth type) b) Honey extractor c) Smoker d) Bee-veil e) Gloves f) Hive tool g) Bee Brush h) Queen excluder 3	3	4 4	11	Salient features of following classes Mammalia General topics: Poisonous and non-poisonous snakes Desert adaptations in reptiles in brief.	4 2 2		8
February	F.Y.B.Sc.	4. Multiple Alleles: 4 4.1 Concept, characteristics and importance of multiples alleles, ABO & Rh-blood group system and it's medicolegal importance. 4.2 Concept of polygenic inheritance with reference to skin color in man 5. Chromosomes: 5 5.1	10		10	Study of Frog: Systematic position, Habit and habitat External characters and sexual dimorphism Digestive system, food,	2 2 2 4	4 4	18



		Introduction to morphology and composition 5.2 Classification based on the centromeric position 5.3 Types of chromosome (autosomes and sex chromosome) 5.2 Chromosomal aberrations: structural changes				feeding and physiology of digestion			
	S.Y.B.Sc.	1.5 Bee keeping and seasonal management. 2 1.6 Bee products (collection methods, composition and uses: a) Honey b) Wax c) Bee Venom d) Propolis e) Royal jelly f) Pollen grains 4 1.7 Diseases and enemies of Bees: a) Bee diseases – Protozoan, Bacterial, Viral, Fungal – with two examples. b) Bee pests – Wax moth (Greater and Lesser), Wax beetle. c) Bee Enemies – Bee eater, King crow, Wasp, Lizard, Bear, Man. 5 1.8 Bee pollination 1	4	4	8	Beak and feet modifications in birds Migration in birds Aerial adaptations in birds Egg laying mammals Aquatic mammals	4 2 2 2 2	--	12
March	F.Y.B.Sc.	6. Sex-determination: 5 6.1 Introduction 6.2 Chromosomal theory of sex determination (XX-XY, ZZ-ZW, XX- XO and Haploid-Diploid method) 6.3 Parthenogenesis and Gynandromorphis 7. Human genetics: 4 7.1 Study of human karyotype 7.2 Syndromes: a) Autosomal-Down's (Mongolism), Patau's, Edward's and Cri-du-chat b) Sex chromosomal abnormalities in man: Klinefelter's and Turner's syndrome 7.3 Inborn errors of metabolism: albinism, phenylketonuria and alkaptonuria	10		10	Circulatory system Central Nervous system Sense organs Reproductive systems (male & female) General topics: Migration in fishes Neoteny in amphibia Parental care in amphibia	3 3 4 2 2 2	4 4	24
	S.Y.B.Sc.	2. Sericulture : 2.1 An introduction to sericulture, Study of different types of silk moths, their distribution and varieties of silk produced by Mulberry, Tassar, Eri and Muga silk worms in India. 4 2.2 External morphology and life cycle of Bombyx mori. 3 2.3 Cultivation of mulberry (moriculture): a) Varieties for cultivation, b) Rainfed and irrigated mulberry cultivation – Fertilize schedule, Pruning methods and leaf yield. 4 2.4 Harvesting of mulberry: a) Leaf plucking b) Branch cutting c) Whole shoot cutting. 2 2.5 Silk worm rearing: a) Types of rearing b) Rearing house c) Rearing techniques d) Important diseases and pests. 7 2.6 Post	4 2	4 4	8 6	Study of Scoliodon : systematic position, Habit and habitat External characters Digestive system, food, feeding and physiology of digestion Respiratory system Blood vascular system Nervous system and sense organs Male urinogenital system and female reproductive system	3 2 4 2 3 3 3		20



		harvest processing of cocoons:							
April	F.Y.B.Sc.	8. Sex linked inheritance in human: 3 8.1 Colorblindness, haemophilia and hypertrichosis 9. Cytoplasmic inheritance: 1 9.1 Kappa particles in Paramoecium	2		2	Theory & Practical Examinations Supervisions			
	S.Y.B.Sc.	2.6 Post harvest processing of cocoons: a) Harvesting and Preparation of cocoons for marketing b) Stiffling, Sorting, Storage, Deflossing and Riddling c) Cocoon cooking, Reeling Equipment and Rereeling, Washing and Polishing.	4	4	8	Theory & Practical Examinations Supervisions			
May	F.Y.B.Sc.	10. Application of genetics: 4 10.1 Genetic counseling. 10.2 Concept of genetic Engineering	1		1	Theory & Practical Examinations Supervisions			
	S.Y.B.Sc.					Theory & Practical Examinations Supervisions			
Total					102				116

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Head,
 Zoology Department
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 (Nashik)**

Principal



**Teaching Plan of Theory Courses
Year 2018-2019**

Class : S.Y.B.Com

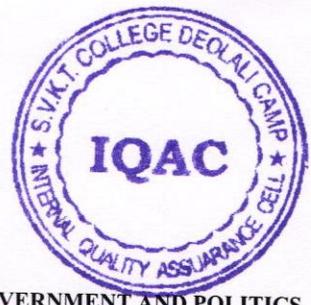
Name of Subject Teacher : Dr. U.Y.Gite

Subject : Corporate Accounting

Sr.No.	Month	Topic	No. of Lectures
First Term			
1	June	Accounting Standards:- Detailed Study of Accounting Standards 5 with Practical Examples numerical case studies, Application nature.	04
2	July	Accounting Standards:- Detailed Study of Accounting Standards 6, 10, 14, 21 with Practical Examples numerical case studies, Application nature.	04
3	August	Company Final Accounts:- Preparation of Final Accounts- Forms and contents as per Provisions of Companies Act (As Amendment upto the beginning of the relevant academic year) As per Revised Schedule- VI	14
4	September	Company Liquidation Accounts:- Meaning of Liquidation- Modes of winding up – (a) Preparation of Liquidator final statement of Account (b) Preparation of Statement of Affairs and Deficiency Account	12
5	October	Computerized Accounting Practices:- Conceptual background - (a) Inventory Accounting (b) Payroll Accounting (c) MIS Reports including Demonstration and Hands Experience.	14
Second Term			
6	November	Accounting for Amalgamation, Absorption and External Reconstruction of Companies:- Meaning- Vendor and Purchasing Companies- Purchase Consideration Accounting entries- and Preparation of Balance Sheet after Amalgamation, Absorption and External Reconstruction.	14
7	December	Accounting for Internal Reconstruction:- Meaning Alteration of Share Capital. Reduction of Share Capital-Accounting Entries and preparation of Balance Sheet After Internal Reconstruction	10
8	January	Holding Company Account:- Preparation of consolidated Balance sheet of Holding Company with one subsidiary only. Adjustment of inter company transactions, unrealized profit of stock.	14

Sr.No.	Month	Topic	No. of Lectures
9	February	Valuations of Shares:- Concept of Valuation, Need for Valuation, Special Factors affecting Valuation of Shares, Methods of Valuation - (a) Net Assets Method	4
10	March	Valuations of Shares:- Concept of Valuation, Need for Valuation, Special Factors affecting Valuation of Shares, Methods of Valuation - (b) Yield Basis Method, (c) Fair Value Method.	6
11	April	Examination	--





Teaching Plan Of Theory Courses

Year:-2017 - 2018

Class:- F.Y.B.A (A.Divi.)

Subject:- INDIAN GOVERNMENT AND POLITICS

Name of Subject Teacher :-Shir.S.S.Kawale

Sr.No	Month	Topics	No. of Lectures
First Term			
1	June	Topic 1: Background and the Salient Features of Indian Constitution a) Formation of Constituent Assembly	04
2	July	b) Philosophy of the Preamble for Indian Constitution c) Major Features: Parliamentary Democracy, Federalism, Independent Judiciary –Social Justice and Social Transformation Topic 2: Fundamental Rights, Duties and the Directive Principles of State Policy a) Nature of Fundamental Rights –Major Fundamental Rights-Right to Equality, Right to Liberty, Right to Freedom of Religion, Cultural and Educational Rights b) Importance of Fundamental Duties c) Nature and Significance of Directive Principles of State Policy	14
3	August	Topic 3: Federalism a) Salient Features of Indian Federalism b) Centre –State Relations c) Issues of Conflict-Water Issue, Border Issue and Sharing of Resources	14
4	September	Topic 4: Structure of Union Government -Legislature-Executive –Judiciary a) Union Legislature - Structure-Powers and Role b) Union Executive-President, Prime Minister and his Cabinet-Role and Functions	14
5	October	c) Judiciary- Nature of Judiciary, Supreme Court-Powers and Functions	04
Second Term			
6	November	Topic 5: Structure of State Government -Legislature-Executive –Judiciary a) State Legislature - Structure-Powers and Role	04
7	December	b) State Executive-Governor , Chief Minister and his Cabinet-Role and Functions c) Judiciary- Nature of Judiciary, High Court-Powers and Functions Topic 6: Party System and Elections a) Nature and Changing Pattern of Party System b) Elections- Election Commission :-Major Features of Electoral System and Patterns Of Voting Behavior	14

		c) Rise and Role of Regional Parties	
8	January	Topic 7: Role of Caste and Religion in Indian Politics a) Caste and Politics of Identity b) Rise of OBCs c) Religion and Politics of Communalism	14
9	February	Topic 8: Issues of Regionalism and Development a) Causes and Patterns of Regionalism b) Issues of Development-Uneven	12
10	March	b) Issues of Development-Uneven Development-Leading to Regional Imbalance-Poverty Eradication, Health and Education	04
11	April	(Examination)	--

