

Education for Knowledge, Science and Culture”

-Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur (Autonomous)
Department Of Zoology

Syllabus Completion Report
2020-2021



**Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)
DEPARTMENT OF ZOOLOGY
Academic year: 2020-21**

Syllabus Completion Report

Teacher Name: -Dr. G. K. Sontakke

Subject: Comparative Anatomy & Developmental Biology of Vertebrates

Course title: B.Sc. I

Semester: II

Month: April			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			
2	2	4	Unit I	Skeletal System Pectoral girdle	Completed
Month: May			Module unit	Sub unit planned	
Lectures	Practical	Total			
2	4	6	Unit I	Pectoral girdle	Completed
Month: June			Module unit	Sub unit planned	
Lectures	Practical	Total			
2	4	6	Unit I	pelvic girdle	

Subject: Cell biology, Genetics and Evolution

Course title: B.Sc. II

Semester: IV

Month: November			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			
2	2	4	Unit III	Major event in history of life, Geological time scale	Completed
Month: May			Module unit	Sub unit planned	
Lectures	Practical	Total			
4	4	8	Unit III	Introduction to evolutionary theories, Lamarkism	Completed
Month: June			Module unit	Sub unit planned	
Lectures	Practical	Total			
4	4	8	Unit III	Darwinism & Neo Darwinism	Completed

Subject: Ecology & Aquatic Biology

Course title: B.Sc. III

Semester: VI

Month: December			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			
4	4	8	Unit I	Ecology- Scope of ecology	Completed
Month: January			Module unit	Sub unit planned	
Lectures	Practical	Total			
4	4	8	Unit I	Structure, function types & component of ecosystem	Completed
Month: January			Module unit	Sub unit planned	
Lectures	Practical	Total			

Lectures	Practical	Total			
4	4	8	Unit I	Energy flow & cycling of minerals, food chain, food web, ecological pyramids	Completed

Syllabus Completion Report (Practical)

Class	Practical No.	Batch	Practical based on paper	Completion Status
B. Sc. I	Practical I & II	B ₄ , B ₆	Animal diversity, Comparative Anatomy & Developmental Biology of Vertebrates	Completed
B. Sc. II	Practical IV	M ₁	Cell biology, Genetics, Evolution and Ethology	Completed
B. Sc. III	Practical VII	Z ₁	Ecology & Aquatic Biology	Completed


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VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)
DEPARTMENT OF ZOOLOGY
Academic year: 2020-21**

Syllabus Completion Report

Teacher Name: -Dr. T. C. Gaupale

Subject: Animal diversity

Course title: B.Sc. I

Semester: I

Month: November			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			
2	2	4	Unit I	Phylum Platyhelminthes	Completed
Month: December			Module unit	Sub unit planned	
3	4	7	Unit I	Phylum-Nemathelminthes	Completed
Month: January			Module unit	Sub unit planned	
3	4	7	Unit II	Phylum-Annelida	Completed
Month: February			Module unit	Sub unit planned	
2	4	6	Unit II	Metamerism in Annelida	Completed

Subject: Comparative Anatomy & Developmental Biology of Vertebrates

Course title: B.Sc. I

Semester: II

Month: April			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			
2	2	4	Unit IV	Chick Embryology Introduction to Embryology	Completed
Month: May			Module unit	Sub unit planned	
4	4	8	Unit IV	Fertilization in chick Development up to 72 hrs	Completed
Month: June			Module unit	Sub unit planned	
4	4	8	Unit IV	Development up to 72 hrs	Completed

Subject: Physiology and Biochemistry

Course title: B.Sc. II

Semester: III

Month: November			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			
2	2	4	Unit III	Endocrinology	Completed
Month: December			Module unit	Sub unit planned	

4	4	8	Unit III	Thyroid, parathyroid, pancreas, adrenal gland	Completed
Month: January			Module unit	Sub unit planned	
3	4	7	Unit III	Hypothalamus, Testes, Ovary	Completed
Month: February			Module unit	Sub unit planned	
4	4	8	Unit IV	Enzymes	Completed

Subject: Cell biology, Genetics and Evolution
Course title: B.Sc. II

Semester: IV

Month: April			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			
2	2	4	Unit III	Organic variation Isolating mechanism Natural selection	Completed
Month: May			Module unit	Sub unit planned	
Lectures	Practical	Total			
4	4	8	Unit III	Industrial melanism Types of natural selection	Completed
Month: June			Module unit	Sub unit planned	
Lectures	Practical	Total			
4	4	8	Unit III & IV	Artificial selection Mass extinction	Completed
Month: July			Module unit	Sub unit planned	
Lectures	Practical	Total			
2	4	6	Unit IV	Role of extinction in evolution	Completed

Subject: Applied Zoology
Course title: B.Sc. III

Semester: V

Month: November			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			
2	2	4	Unit VIII	Fish technology	Completed
Month: December			Module unit	Sub unit planned	
Lectures	Practical	Total			
4	4	8	Unit VIII	Fish farming construction & maintenance	Completed
Month: January			Module unit	Sub unit planned	
Lectures	Practical	Total			
4	4	8	Unit VIII	Induced breeding Transportation of fish	Completed

Month: February			Module unit	Sub unit planned	
Lectures	Practical	Total			
4	4	8	Unit II	Epidemiology of disease	Completed

Subject: Immunology
Course title: B.Sc. III

Semester: VI

Month: April			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			
2	2	4	Unit I	Overview of immune system Introduction of immunology	Completed
Month: May			Module unit	Sub unit planned	
Lectures	Practical	Total			
4	4	8	Unit I	Component of immune system	Completed
Month: June			Module unit	Sub unit planned	
Lectures	Practical	Total			
4	4	8	Unit II	Cells & organ of immune system, Hematopoiesis Cells of immune system & organ	Completed
Month: July			Module unit	Sub unit planned	
Lectures	Practical	Total			
3	2	5	Unit II	Lymphoid organs	Completed

Syllabus Completion Report (Practical)

Class	Practical No.	Batch	Practical based on paper
B. Sc. I	Practical I Practical II	B ₁ , B ₃	Animal diversity, Comparative Anatomy & Developmental Biology of Vertebrates
B. Sc. II	Practical IV	M ₁ , M ₂	Physiology and Biochemistry
B. Sc. III	Practical VII	Z ₁	Immunology


Dr. T. C. Gaupale


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DEPARTMENT OF ZOOLOGY
Academic year: 2020-21**

Syllabus Completion Report

Teacher Name: - Ms. Najnin A. Patel

Subject: Animal diversity

Course title: B.Sc. I

Semester: I

Month: November			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			
2	2	4	Unit IV	Class-Reptiles General features and classification up to order	Completed
Month: December			Module unit	Sub unit planned	Completion Status
4	4	8	Unit IV	classification up to order in class reptiles, Venomous and non-venomous snake and types of venom	Completed
Month: January			Module unit	Sub unit planned	Completion Status
4	4	8	Unit IV	Class Aves, General features and classification up to order, Flight Adaptation	Completed
Month: February			Module unit	Sub unit planned	Completion Status
4	4	8	Unit IV	Class Mammals Classification up to order	Completed

Subject: Comparative Anatomy & Developmental Biology of Vertebrates

Course title: B.Sc. I

Semester: II

Month: April			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			
2	2	4	Unit II	Sense organs & types of receptors	Completed
Month: May			Module unit	Sub unit planned	Completion Status
4	4	8	Unit III	Early embryonic development Gametogenesis-	Completed

				Spermatogenesis, Oogenesis with reference to mammals	
Month: June			Module unit	Sub unit planned	
4	4	8	Unit III	External fertilization (Amphibia), internal fertilization mammals, early embryonic development	Completed
Month: July			Module unit	Sub unit planned	
2	2	4	Unit III	Fate map & Neurulation in frog embryo	Completed

Subject: Physiology and Biochemistry

Course title: B.Sc. II

Semester: III

Month: November			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			
2	2	4	Unit III	Carbohydrate metabolism, Glycolysis	Completed
Month: December			Module unit	Sub unit planned	
4	4	8	Unit III	Kreb cycle, Pentose phosphate pathway Gluconeogenesis, Glycogen metabolism	Completed
Month: January			Module unit	Sub unit planned	
4	4	8	Unit III Unit IV	Review of electron transport chain, Lipid metabolism, Biosynthesis of fatty acids	Completed
Month: February			Module unit	Sub unit planned	
4	4	8	Unit IV	Beta oxidation of palmitic acid, Protein metabolism, Transamination, Deamination	Completed

Subject: Cell biology, Genetics and Evolution

Course title: B.Sc. II

Semester: IV

Month: April			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			
2	2	4	Unit I	Ultra-structure of cell organelles, Prokaryotic & Eukaryotic cell	Completed
Month: May			Module unit	Sub unit planned	Completion Status
4	4	8	Unit I	Ultra-structure & function of plasma membrane Nucleus, Mitochondria,	Completed
Month: June			Module unit	Sub unit planned	Completion Status
4	4	8	Unit I	Golgi Apparatus, Endoplasmic reticulum Ribosome	Completed
Month: July			Module unit	Sub unit planned	Completion Status
4	4	8	Unit I	Mendel's work on transmission of traits, Genetic variation	Completed

Subject: Animal Biotechnology

Course title: B.Sc. III

Semester: V

Month: November			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			
3	2	5	Unit II	Molecular techniques in gene manipulation Cloning Vectors	Completed
Month: December			Module unit	Sub unit planned	Completion Status
4	4	8	Unit II	Restriction enzymes, Transformation techniques	Completed
Month: January			Module unit	Sub unit planned	Completion Status
4	4	8	Unit III	Construction of genomic DNA & cDNA library	Completed
Month: February			Module unit	Sub unit planned	Completion Status
4	4	8	Unit III	Southern, Northern, Western blotting PCR, DNA fingerprinting	Completed

Subject: Immunology
Course title: B.Sc. III

Semester: VI

Month: April			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			
2	2	4	Unit III	Antigens, Basic properties of antigen	Completed
Month: May			Module unit	Sub unit planned	Completion Status
4	4	8	Unit III	B & T Cell epitopes, Heptens, Adjuvant	Completed
Month: June			Module unit	Sub unit planned	Completion Status
4	4	8	Unit IV	Antibodies – structure, class & function of antibodies	Completed
Month: July			Module unit	Sub unit planned	Completion Status
2	2	4	Unit III	Hybridoma technology- monoclonal & polyclonal antibody, ELISA & its types	Completed

Syllabus Completion Report (Practical)

Class	Practical No.	Batch	Practical based on paper	Completion Status
B. Sc. I	Practical I & Practical II	B ₆	Animal diversity, Comparative Anatomy & Developmental Biology of Vertebrates	Completed
B. Sc. II	Practical IV	B ₁ , BT ₁	Physiology and Biochemistry	Completed
B. Sc. III	Practical VII	Z ₁	Animal Biotechnology	Completed



Ms. Najnin A. Patel



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DEPARTMENT OF ZOOLOGY
Academic year: 2020-21**

Syllabus Completion Report

Teacher Name: -Ms. Geetanjali B. Satale

Subject: Comparative Anatomy & Developmental Biology of Vertebrates

Course title: B.Sc. I

Semester: II

Month: April			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			
2	-	2	Unit I	Integumentary system- Derivatives of integuments w.r.t. glands	Completed
Month: May			Module unit	Sub unit planned	
2	-	2	Unit I	Integumentary system- Derivatives of integuments w.r.t. glands	Completed
Month: June			Module unit	Sub unit planned	
2	-	2	Unit I	Digital tips	Completed
Month: July			Module unit	Sub unit planned	
2	-	2	Unit I	Digital tips	Completed

Subject: Physiology and Biochemistry

Course title: B.Sc. II

Semester: III

Month: November			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			
2	2	4	Unit I	Nerve & Muscle Structure of Neuron	Completed
Month: December			Module unit	Sub unit planned	
4	4	8	Unit I	Resting membrane potential Origin of action potential & its propagation in non-myelinated nerve fiber	Completed
Month: January			Module unit	Sub unit planned	
4	4	8	Unit I	Skeletal muscle	Completed

Subject: Cell biology, Genetics and Evolution

Course title: B.Sc. II

Semester: IV

Month: April			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			
2	2	4	Unit I	Linkage & crossing over	Completed
Month: May			Module unit	Sub unit planned	
4	4	8	Unit I	Linkage & crossing over, Types of linkage	Completed
Month: June			Module unit	Sub unit planned	
4	4	8	Unit I	Mechanism of crossing over, Coupling & repulsion theory, Cytological evidences of crossing over	Completed
Month: July			Module unit	Sub unit planned	
4	4	8	Unit II	Mutation	Completed

Subject: Animal Biotechnology

Course title: B.Sc. III

Semester: V

Month: November			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			
2	2	4	Unit IV	Culture techniques & Application	Completed
Month: December			Module unit	Sub unit planned	
4	4	8	Unit IV	Molecular diagnosis of genetic disease	Completed
Month: January			Module unit	Sub unit planned	
4	4	8	Unit IV	rDNA technology	Completed
Month: February			Module unit	Sub unit planned	
4	4	8	Unit IV	Gene therapy, Micro-techniques & application	Completed

Subject: Ecology & Aquatic biology

Course title: B.Sc. III

Semester: VI

Month: April			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			

2	2	4	Unit II	Aquatic biomes Introduction to aquatic biomes	Completed
Month: May			Module unit	Sub unit planned	
2	2	4	Unit II	Aquatic biomes Introduction to aquatic biomes	Completed
Month: June			Module unit	Sub unit planned	
3	4	7	Unit II	Fresh water ecosystem	Completed
Month: July			Module unit	Sub unit planned	
4	4	8	Unit III	Marine biology	Completed
Month: August			Module unit	Sub unit planned	
4	4	8	Unit III	Adaption of deep sea organisms, Coral reefs, Sea weeds	Completed

Syllabus Completion Report (Practical)

Class	Practical No.	Batch	Practical based on paper	Completion Status
B. Sc. II	Practical IV	B2	Cell biology, Genetics, Evolution and Ethology	Completed
B. Sc. III	Practical VII	Z2	Aquatic biology	Completed

G. Satale

Ms. Geetanjali B. Satale

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Academic year: 2020-21**

Syllabus Completion Report

Teacher Name: - Ms. Kranti L. Kamble

Subject: Animal diversity

Course title: B.Sc. I

Semester: I

Month: November			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			
2	2	4	Unit II	Phylum Arthropoda	Completed
Month: December			Module unit	Sub unit planned	Completion Status
4	4	8	Unit II	Phylum Arthropoda	Completed
Month: January			Module unit	Sub unit planned	Completion Status
4	4	8	Unit II	Phylum Mollusca	Completed
Month: February			Module unit	Sub unit planned	Completion Status
4	4	8	Unit II	Phylum Echinodermata	Completed

Subject: Comparative Anatomy & Developmental Biology of Vertebrates

Course title: B.Sc. I

Semester: II

Month: April			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			
2	2	4	Unit I	Brief account of gills	Completed
Month: May			Module unit	Sub unit planned	Completion Status
3	4	7	Unit I	Lungs, air sacs & swim bladder	Completed
Month: June			Module unit	Sub unit planned	Completion Status
3	4	7	Unit I	Lungs, air sacs & swim bladder	Completed

Subject: Applied Zoology

Course title: B.Sc. III

Semester: V

Month: November			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			
2	2	4	Unit III	Parasitic protozoan <i>Plasmodium vivax</i>	Completed

Month: December			Module unit	Sub unit planned	
4	4	8	Unit III	<i>Helicoverpa armigera</i>	Completed
Month: January			Module unit	Sub unit planned	
4	4	8	Unit III	<i>Pyrilla perpusilla & Papilio demoleus</i> <i>Callosobruchus chinensis,</i> <i>Sitophilus oryzae</i>	Completed
Month: February			Module unit	Sub unit planned	
3	4	7	Unit III	<i>tribolium castaneum,</i> mili bug, aphids & white fly	Completed

Subject: Ecology & Aquatic biology
Course title: B.Sc. III

Semester: VI

Month: April			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			
2	2	4	Unit IV	Lakes- Origin & classification	Completed
Month: May			Module unit	Sub unit planned	
4	4	8	Unit IV	Characteristics light temperature thermal stratification	Completed
Month: June			Module unit	Sub unit planned	
3	4	7	Unit IV	Bicarbonate phosphate & nitrates	Completed

Syllabus completion report (Practical)

Class	Practical No.	Batch	Practical based on paper	Completion Status
B. Sc. I	Practical I	B5, B8	Animal Diversity	Completed
	Practical II	B9	Comparative Anatomy and Developmental biology of Vertebrates	
B. Sc. II	Practical III	B2	Mammalian Physiology and Biochemistry	Completed
B. Sc. III	Practical VIII	Z2	Immunology	Completed



Ms. Kranti L. Kamble



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DEPARTMENT OF ZOOLOGY
 Academic year: 2020-21

Syllabus Completion Report

Teacher Name: -Dr. Tejashri C. Patil

Subject: Comparative Anatomy & Developmental Biology of Vertebrates

Course title: B.Sc. I

Semester: II

Month: April			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			
2	-	2	Unit III	Late embryonic development- Implantation of embryo in human	Completed
Month: May			Module unit	Sub unit planned	
4	-	4	Unit III	Formation of human placenta & its function	Completed
Month: June			Module unit	Sub unit planned	
2	-	2	Unit III	Types of placenta in mammals	Completed

Subject: Physiology and Biochemistry

Course title: B.Sc. II

Semester: III

Month: November			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			
2	2	4	Unit I	Physiology of Digestion in Alimentary Canal	Completed
Month: December			Module unit	Sub unit planned	
4	4	8	Unit I	Absorption of Carbohydrate, proteins & lipids	Completed
Month: January			Module unit	Sub unit planned	
4	4	8	Unit I	Absorption of lipids	Completed

Subject: Cell biology, Genetics and Evolution

Course title: B.Sc. II

Semester: IV

Month: April			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			
2	2	4	Unit IV	Direct evidences of evolution Types of fossils	Completed
Month: May			Module unit	Sub unit planned	
4	4	8	Unit IV	Process of fossilization Dating of fossils Geiger-Muller Counter	Completed
Month: June			Module unit	Sub unit planned	
4	4	8	Unit IV	Species concept Biological species concept Modes of speciation	Completed

Month: July			Module unit	Sub unit planned	
4	4	8	Unit IV	Macroevolution Macro evolutionary principals Darwin finches	Completed

Subject: Applied Zoology

Course title: B.Sc. III

Semester: V

Month: November			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			
2	-	2	Unit VI	Dairy technology Selection of breed Types of breed	Completed
Month: December			Module unit	Sub unit planned	
3	-	3	Unit VI	Management of Dairy technology	Completed
Month: January			Module unit	Sub unit planned	
2	-	2	Unit VI	Poultry Farming Types of poultry breed Management of poultry	Completed

Subject: Immunology

Course title: B.Sc. III


Semester: VI

Month: April			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			
2	-	2	Unit VI	Immune system in health & disease	Completed
Month: May			Module unit	Sub unit planned	
4	-	4	Unit VI	Gell & Coomb's classification Types of hypersensitivity	Completed
Month: June			Module unit	Sub unit planned	
4	-	4	Unit VI	Concept of autoimmunity & immunodeficiency	Completed
Month: July			Module unit	Sub unit planned	
4	-	4	Unit VI & VII	Autoimmune disorder Vaccine	Completed

Syllabus completion report (Practical)

Class	Practical No.	Batch	Practical based on paper	Completion Status
B. Sc. II	Practical IV	B3, B4	Cell biology, Genetics, Evolution and Ethology	Completed

Name and Signature of Teacher


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 Academic year: 2020-21

Syllabus Completion Report

Teacher Name: -Dr. Sneha S. Desai

Subject: Animal diversity

Course title: B.Sc. I

Semester: I

Month: November			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			
2	-	2	Unit III	Phylogenetic tree in Chordate	Completed
Month: December			Module unit	Sub unit planned	
4	-	4	Unit III	Protochordata Agnatha: General feature of Agnatha and classification of cyclostomes up to classes Peculiar characteristic of Petromyzon and myxin	Completed
Month: January			Module unit	Sub unit planned	
4	-	4	Unit III	Class: Pisces General features and classification up to order Difference between cartilaginous and bony fishes Importance of osmoregulation in fishes	Completed
Month: February			Module unit	Sub unit planned	
4	-	4	Unit III	Class-Amphibia General features and classification up to order Parental care in Amphibia	Completed

Subject: Comparative Anatomy & Developmental Biology of Vertebrates

Course title: B.Sc. I

Semester: II

Month: April			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			
2	-	2	Unit I	Digestive system of Fish, Amphibia	Completed
Month: May			Module unit	Sub unit planned	
4	-	4	Unit I	Digestive system of reptiles, aves & mammals and its comparative account	Completed
Month: June			Module unit	Sub unit planned	
2	-	4	Unit I Unit II	Digestive gland-Liver, pancreas salivary gland Introduction to Urinogenital system	Completed

Month: July			Module unit	Sub unit planned	
2	-	2	Unit II	Archenephros, pronephros, mesonephros & metanephros Evolution of urogenital ducts	Completed

Subject: Physiology and Biochemistry
Course title: B.Sc. II

Semester: III

Month: November			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			
3	4	7	Unit II	Respiration Pulmonary ventilation, respiratory volumes & capacity	Completed
Month: December			Module unit	Sub unit planned	
4	4	8	Unit II	Transport of oxygen, carbon dioxide in blood Respiratory diseases	Completed
Month: January			Module unit	Sub unit planned	
4	4	8	Unit II	Cardiovascular system Composition of blood Structure of heart Origin & conduction of cardiac impulse Cardiac cycle	Completed
Month: February			Module unit	Sub unit planned	
2	4	6	Unit II	Heart diseases & heart attack Symptoms & remedies	Completed

Subject: Cell biology, Genetics and Evolution
Course title: B.Sc. II

Semester: IV

Month: April			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			
2	2	4	Unit I	Mendelian genetics & its extension Principal of inheritance	Completed
Month: May			Module unit	Sub unit planned	
4	4	8	Unit I	Chromosomal theory of inheritance Incomplete dominance & codominance	Completed
Month: June			Module unit	Sub unit planned	
4	4	8	Unit I Unit II	Multiple alleles w.r.t. ABO Rh factor Extrachromosomal inheritance Sex determination	Completed
Month: July			Module unit	Sub unit planned	
4	2	6	Unit II	Sex determination Dosage compensation Sex chromosomal theory Genic balance theory Haploidy- diploidy mechanism of sex determination	Completed

Subject: Animal Biotechnology

Course title: B.Sc. III

Semester: V

Month: November			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			
2	2	4	Unit I	Concept & Scope of Biotechnology	Completed
Month: December			Module unit	Sub unit planned	Completion Status
4	4	8	Unit I	DNA structure DNA replication	Completed
Month: January			Module unit	Sub unit planned	Completion Status
4	4	8	Unit I	Transcription in Prokaryotes & Eukaryotes	Completed
Month: February			Module unit	Sub unit planned	Completion Status
4	4	8	Unit I	Translation in Prokaryotes & Eukaryotes	Completed
Month: February			Module unit	Sub unit planned	Completion Status
4	4	8	Unit IV	Animal cell culture	Completed

Subject: Immunology

Course title: B.Sc. III

Semester: VI

Month: April			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			
2	2	4	Unit V	Working of immune system Structure & function of MHC	Completed
Month: May			Module unit	Sub unit planned	Completion Status
4	4	8	Unit I	Exogenous & Endogenous pathway of antigen presentation	Completed
Month: June			Module unit	Sub unit planned	Completion Status
4	4	8	Unit I Unit II	Exogenous & Endogenous pathway of antigen processing	Completed
Month: July			Module unit	Sub unit planned	Completion Status
3	4	7	Unit II	Cytokines & complement system	Completed

Syllabus completion report (Practical)

Class	Practical No.	Batch	Practical based on paper	Completion Status
B. Sc. II	Practical III	B3	Cell biology, Genetics, Evolution and Ethology	Completed
B. Sc. III	Practical VI	Z1	Applied Zoology	Completed



Name and Signature of Teacher



Dr. G. K. Sontakke
Head,
Department of Zoology
Vivekanand College,
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**Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)
DEPARTMENT OF ZOOLOGY
Academic year: 2020-21**

Syllabus Completion Report

Teacher Name: -Ms. Yogita S. Pujari

Subject: Comparative Anatomy & Developmental Biology of Vertebrates

Course title: B.Sc. I

Semester: II

Month: April			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			
2	-	2	Unit IV	Fundamental development, process in development	Completed
Month: May			Module unit	Sub unit planned	
3	-	3	Unit IV	gene activation, specification, Determination, differentiation,	Completed
Month: June			Module unit	Sub unit planned	
3	-	3	Unit IV	Intercellular communication, cell movement & cell death	Completed

Subject: Animal Biotechnology

Course title: B.Sc. III

Semester: V

Month: November			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			
2	2	4	Unit III	Genetically modified organism Production of cloned & transgenic animals	Completed
Month: December			Module unit	Sub unit planned	
4	4	8	Unit III	Application of transgenic animals	Completed
Month: January			Module unit	Sub unit planned	
4	4	8	Unit III	Production of transgenic plants	Completed
Month: February			Module unit	Sub unit planned	
4	4	8	Unit III	Application of transgenic plants	Completed


Subject: Ecology & Aquatic biology
Course title: B.Sc. III


Semester: VI

Month: April			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			
2	2	4	Unit V	Management of aquatic resources	Completed
Month: May			Module unit	Sub unit planned	Completion Status
3	4	7	Unit V	Causes of pollution	Completed
Month: June			Module unit	Sub unit planned	Completion Status
3	4	7	Unit V	Water quality assisment-BOD	Completed
Month: July			Module unit	Sub unit planned	Completion Status
3	4	7	Unit V	Water quality assisment-COD	Completed

Syllabus Completion Report (Practical)

Class	Practical No.	Batch	Practical based on paper	Completion Status
B. Sc. II	Practical III Practical IV	BT1, B4	Mammalian Physiology and Biochemistry Cell biology, Genetics, Evolution and Ethology	Completed
B. Sc. III	Practical VII	Z2	Applied Zoology	Completed


Ms. Yogita S. Pujari


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DEPARTMENT OF ZOOLOGY
Academic year: 2020-21**

Syllabus Completion Report

Teacher Name: -Ms. Jyoti S. Sathe

Subject: Applied Zoology

Course title: B.Sc. III

Semester: V

Month: November			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			
2	2	4	Unit IX	Animal feed preparation	Completed
Month: December			Module unit	Sub unit planned	
4	4	8	Unit IX	Cattle feed, rat feed, fish feed, poultry feed	Completed
Month: January			Module unit	Sub unit planned	
4	4	8	Unit X	Animal & crop waste management Poultry waste management	Completed
Month: February			Module unit	Sub unit planned	
4	4	8	Unit X	Sugarcane & wheat waste management	Completed

Subject: Ecology & Aquatic biology

Course title: B.Sc. III

Semester: VI

Month: April			Module unit	Sub unit planned	Completion Status
Lectures	Practical	Total			
2	2	4	Unit IV	Nutrient cycle	Completed
Month: May			Module unit	Sub unit planned	
4	4	8	Unit IV	Stream & their conservation	Completed
Month: June			Module unit	Sub unit planned	
4	4	8	Unit IV	Physicochemical environment Adaptation of hill stream, fishes & conservation	Completed

Syllabus completion report (Practical)

Class	Practical No.	Batch	Practical based on paper	Completion Status
B. Sc. II	Practical II	B1	Cell biology, Genetics, Evolution and Ethology	Completed
B. Sc. III	Practical V	Z2	Animal Biotechnology	Completed



Ms. Jyoti S. Sathe



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