

“Education for Knowledge, Science and Culture”


-Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's  
**Vivekanand College, Kolhapur (Autonomous)**  
Department of Zoology

## **Annual Teaching Plan 2021-2022**

1. **Dr. G. K. Sontakke**
2. **Dr. T. C. Gaupale**
3. **Miss. N. A. Patel**
4. **Dr. T. C. Patil**
5. **Dr. S. S. Desai**
6. **Miss. Y. S. Pujari**
7. **Miss. K. L. Kamble**
8. **Miss. P.S. Shetfalkar**
9. **Miss. V. K. Patil**



  
**Dr. G. K. Sontakke**  
HEAD  
DEPARTMENT OF ZOOLOGY  
VIVEKANAND COLLEGE, KOLHAPUR  
(AUTONOMOUS)

Vivekanand College, Kolhapur (Autonomous)

Department of Zoology

Academic year: 2021-2022

Annual teaching plan

Term I

Semester: V

Zoology

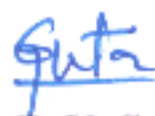
Teacher Name: - Dr. Gajanan K. Sontakke

Subject: Applied

Course title: B.Sc. III

Month: November			Module unit	Sub unit planned
Lectures	Practical	Total		
2	4	6	Unit I	Introduction to Host-parasite Relationship
Month: December			Module unit	Sub unit planned
Lectures	Practical	Total		
4	4	8	Unit II Unit III	Epidemiology of Diseases Parasitic Protozoa
Month: January			Module unit	Sub unit planned
Lectures	Practical	Total		
4	4	8	Unit IV	Insects of Economic Importance

  
Dr. G. K. Sontakke

  
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**VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)**  
**DEPARTMENT OF ZOOLOGY**  
Academic year: 2021-22

**Annual teaching plan (Practical)**

**Teacher Name:** -Dr. G. K. Sontakke

Class	Practical No.	Batch	Practical based on paper
B. Sc. I	Practical I	B4,B7, B9	Animal Diversity (Section I) Comparative Anatomy and Developmental biology of Vertebrates (Section II)
B. Sc. II	Practical I	B1, BB	Physiology and Biochemistry
B. Sc. III	Practical III	B1	Aquatic biology



**Name and Signature of Teacher**



**Name and Signature of HOD**

Head,  
Department of Zoology  
Vivekanand College,  
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Head  
Department of Zoology  
Vivekanand College  
Kolhapur (Autonomous)

Vivekanand College, Kolhapur (Autonomous)

Department of Zoology

Academic year: 2021-2022

Annual teaching plan

Term I

Semester: III

Biochemistry

Teacher Name: - Dr. Tekchand C. Gaupale

Subject: Physiology and

Course title: B.Sc. II

Month: November			Module unit	Sub unit planned
Lectures	Practical	Total		
8	4	12	Unit III	Endocrine Glands Structure and function of Hypothalamus, Pituitary, Thyroid, Pancreas, Adrenal gland
Month: December			Module unit	Sub unit planned
Lectures	Practical	Total		
8	4	12	Unit IV	Enzymes Introduction, Mechanism of action, Factors affecting enzyme activity,
Month: January			Module unit	Sub unit planned
Lectures	Practical	Total		
8	4	12	Unit IV	Inhibition and Regulation of enzyme action

Dr. Tekchand C. Gaupale

Dr. G. K. Sontakke  
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Department of Zoology  
Academic year: 2021-2022

Annual teaching plan


Term I

Semester: V  
Teacher Name: - Dr. Tekchand C. Gaupale

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

Month: November			Module unit	Sub unit planned
Lectures	Practical	Total		
8	4	12	Unit VIII	Fish technology Fish farming construction & maintenance Induced breeding Transportation of fish
Month: December			Module unit	Sub unit planned
Lectures	Practical	Total		
8	4	12	Unit IX	Animal feed preparation Cattle feed, rat feed, fish feed, poultry feed
Month: January			Module unit	Sub unit planned
Lectures	Practical	Total		
8	4	12	Unit X	Animal and Crop waste Management Poultry waste management, Sugarcane and wheat waste management

  
Dr. Tekchand C. Gaupale

  
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**DEPARTMENT OF ZOOLOGY**  
Academic year: 2021-22

**Annual teaching plan (Practical)**

Teacher Name: -Dr. T.C. Gaupale

Class	Practical No.	Batch	Practical based on paper
B. Sc. I	Practical I	B1, B2	Animal Diversity (Section I) Comparative Anatomy and Developmental biology of Vertebrates (Section II)
B. Sc. II	Practical I	B3, B4, BM, B2	Physiology and Biochemistry
B. Sc. III	Practical II	B1	Applied Zoology

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Department of Zoology

Academic year: 2021-2022

Annual teaching plan

Term I

Semester: V


Subject: Animal Biotechnology

Teacher Name: -Ms. Najnin A. Patel

Course title: B.Sc. III

Month: November			Module unit	Sub unit planned
Lectures	Practical	Total		
8	4	12	Unit II	Molecular techniques in gene manipulation Cloning Vectors
Month: December			Module unit	Sub unit planned
Lectures	Practical	Total		
8	4	12	Unit II	Restriction enzymes Transformation techniques
Month: January			Module unit	Sub unit planned
Lectures	Practical	Total		
4	4	8	Unit II	Construction of genomic DNA & cDNA library Southern, Northern, Western blotting PCR DNA fingerprinting

  
Ms. Najnin A. Patel

  
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Department of Zoology

Academic year: 2021-2022

Annual teaching plan

Term I

Semester: I


Subject: Animal diversity

Teacher Name: -Ms. Najnin A. Patel

Course title: B.Sc. I

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

  
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Academic year: 2021-22**

**Annual teaching plan (Practical)**

**Teacher Name:** - Ms. N. A. Patel

Class	Practical No.	Batch	Practical based on paper
B. Sc. I	Practical I	B3, B5, B8	Animal Diversity (Section I) Comparative Anatomy and Developmental biology of Vertebrates (Section II)
B. Sc. II	Practical I	B1, BB	Physiology and Biochemistry
B. Sc. III	Practical I	B1	Animal Biotechnology

*Patel*

**Name and Signature of Teacher**

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**Name and Signature of HOD**

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Department of Zoology  
Academic year: 2021-2022

**Annual teaching plan**

**Term I**


**Semester: III**

**Subject: Physiology and Biochemistry**

**Name of the teacher: Dr. Tejashri C. Patil Course: B. Sc. II**

Month – November 2021			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Respiratory system	Pulmonary Ventilation, respiratory volumes and capacities, Transport of oxygen and carbon dioxide
8	4	12		
Month- December 2021			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Excretion	Structure of nephron, Glomerular capsule, mechanism of urine formation, counter-current mechanism
8	4	12		
Month –January 2022			Module/Unit:	Sub-units planned
8	4	12	Circulatory System	Structure of heart, composition of blood, cardiac cycle, cardiac diseases

  
Dr. Tejashri C. Patil

  
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Department of Zoology  
Academic year: 2021-2022

**Annual teaching plan**

**Term I**

**Semester: V**

**Subject: Animal Biotechnology**


**Name of the teacher: Dr. Tejashri C. Patil**

**Course: B. Sc. III**

Month – November 2021			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Unit 4	Animal cell culture, Cell Culture techniques and types, Requirements, types of media
8	4	12		
Month- December 2021				
Lectures	Practicals	Total	Unit 4	Sterilization techniques, stem cell culture, application, recombinant DNA technology
8	4	12		
Month –January 2022				
8	4	12	Unit 4	Microtechnique, Application of Biotechnology in animal husbandry, Medicine and Agriculture



**Dr. Tejashri C. Patil**



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DEPARTMENT OF ZOOLOGY  
Academic year: 2021-22**

**Annual teaching plan (Practical)**

**Teacher Name:** -Dr. T. C. Patil

<b>Class</b>	<b>Practical No.</b>	<b>Batch</b>	<b>Practical based on paper</b>
B. Sc. I	Practical I	B6	Animal Diversity (Section I) Comparative Anatomy and Developmental biology of Vertebrates (Section II)
B. Sc. II	Practical I & II	B1, BB, B3, B4	Physiology and Biochemistry
B. Sc. III	Practical IV	B1	Immunology



**Name and Signature of Teacher**



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Department of Zoology  
Academic year: 2021-2022

**Annual teaching plan**

**Term I**

**Semester: V**


**Subject: Animal Biotechnology**

**Teacher Name: -Dr. Sneha S. Desai**

**Course title: B.Sc. III**

<b>Month: November</b>			<b>Module unit</b>	<b>Sub unit planned</b>
Lectures	Practical	Total		
4	4	8	Unit I	Concept & Scope of Biotechnology, DNA structure
<b>Month: December</b>			<b>Module unit</b>	<b>Sub unit planned</b>
Lectures	Practical	Total		
4	4	8	Unit I	DNA replication, Transcription in Prokaryotes & Eukaryotes
<b>Month: January</b>			<b>Module unit</b>	<b>Sub unit planned</b>
Lectures	Practical	Total		
4	4	8	Unit I	Translation in Prokaryotes & Eukaryotes

  
**Dr. Sneha S. Desai**

  
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Department of Zoology

Academic year: 2021-2022

Annual teaching plan

Term I

Semester: I


Subject: Animal diversity

Teacher Name: -Dr. Sneha S. Desai

Course title: B.Sc. I

Month: November			Module unit	Sub unit planned
Lectures	Practical	Total		
4	4	4	Unit III	Phylogenetic tree in Chordate Protochordata Agnatha: General feature of Agnatha and classification of cyclostomes up to classes
Month: December			Module unit	Sub unit planned
Lectures	Practical	Total		
4	4	8	Unit III	Peculiar characteristic of Petromyzon and myxin Class: Pisces General features and classification up to order
Month: January			Module unit	Sub unit planned
Lectures	Practical	Total		
4	4	8	Unit III	Difference between cartilaginous and bony fishes, Importance of osmoregulation in fishes Class-Amphibia General features and classification up to order, Parental care in Amphibia

  
Dr. Sneha S. Desai

  
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**DEPARTMENT OF ZOOLOGY**  
Academic year: 2021-22

**Annual teaching plan (Practical)**

**Teacher Name:** - Dr. S. S. Desai

Class	Practical No.	Batch	Practical based on paper
B. Sc. I	Practical I	B8, B9	Animal Diversity (Section I) Comparative Anatomy and Developmental biology of Vertebrates (Section II)
B. Sc. II	Practical I	B2, BM	Physiology and Biochemistry
B. Sc. III	Practical I .	B2	Animal Biotechnology

  
**Name and Signature of Teacher**

  
**Name and Signature of HOD**

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Vivekanand College, Kolhapur (Autonomous)  
Department of Zoology  
Academic year: 2021-2022

Annual teaching plan

Term I

Semester: III  
Biochemistry

Subject: Physiology and

Teacher Name: -Ms. Yogita S. Pujari

Course title: B.Sc. II

Month: November			Module unit	Sub unit planned
Lectures	Practical	Total		
8	4	12	Unit I	Nerve & Muscle Structure of Neuron
Month: December			Module unit	Sub unit planned
Lectures	Practical	Total		
8	4	12	Unit I	Resting membrane potential Origin of action potential & its propagation in non-myelinated nerve fiber Ultra-Structure of skeletal muscle Molecular & Chemical basis of muscle contraction
Month: January			Module unit	Sub unit planned
Lectures	Practical	Total		
8	4	12	Unit III	Carbohydrate metabolism Glycolysis Kreb cycle Pentose phosphate pathway Gluconeogenesis Glycogen metabolism

*Y. Pujari*

Ms. Yogita S. Pujari

*Gita*

Dr. G. K. Sontakke  
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Vivekanand College, Kolhapur (Autonomous)  
Department of Zoology  
Academic year: 2021-2022

Annual teaching plan

Term I

Semester: V

Subject: Animal Biotechnology

Teacher Name: -Ms. Yogita S. Pujari

Course title: B.Sc. III

Month: November			Module unit	Sub unit planned
Lectures	Practical	Total		
2	4	6	Unit III	Genetically modified organism Production of cloned & transgenic animals
Month: December			Module unit	Sub unit planned
Lectures	Practical	Total		
4	4	8	Unit III	Application of transgenic animals
Month: January			Module unit	Sub unit planned
Lectures	Practical	Total		
4	4	8	Unit III	Production of transgenic plants Application of transgenic plants

Ms. Yogita S. Pujari

Dr. G. K. Sontakke  
Head,  
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**DEPARTMENT OF ZOOLOGY**  
Academic year: 2021-22

**Annual teaching plan (Practical)**

Teacher Name: -Ms. Y. S. Pujari

Class	Practical No.	Batch	Practical based on paper
B. Sc. I	Practical I	B6	Animal Diversity (Section I) Comparative Anatomy and Developmental biology of Vertebrates (Section II)
B. Sc. II	Practical II	B2, BM, B3, B4	Physiology and Biochemistry
B. Sc. III	Practical III	B2	Aquatic biology

*Y. S. Pujari*

Name and Signature of Teacher

*F. J. J.*

Name and Signature of HOD

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**DEPARTMENT OF ZOOLOGY**  
Academic year: 2021-22

**Annual teaching plan (Practical)**

Teacher Name: -Ms. K. L. Kamble

Class	Practical No.	Batch	Practical based on paper
B. Sc. I	Practical I	B4,B7, B1,B2	Animal Diversity (Section I) Comparative Anatomy and Developmental biology of Vertebrates (Section II)
B. Sc. II	Practical II	B3,B4	Physiology and Biochemistry
B. Sc. III	Practical II	B2	Applied Zoology

*K. L. Kamble*

Name and Signature of Teacher

*P. J. Patil*

Name and Signature of HOD

Head,  
Department of Zoology  
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**Vivekanand College, Kolhapur (Autonomous)**

Department of Zoology

Academic year: 2021-2022

**Annual teaching plan**

**Term I**

**Semester: I**


**Subject: Animal Diversity**

**Name of the teacher: Miss Pallavi Sanjay Shetfalkar**

**Course Title: B. Sc. I**

Month - November			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Unit I	Importance of animal taxonomy
04	04	08		
Month - December			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Unit I	Kingdom Protista- General characters and classification up to classes; Locomotion in protozoa
04	04	08		
Month - January			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Unit I	Kingdom Porifera- General characters and classification up to classes canal system in sycon
04	04	08		

  
**Ms. Pallavi S. Shetfalkar**

  
**Dr. G. K. Sontakke**  
Head,  
Department of Zoology  
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**Vivekanand College, Kolhapur (Autonomous)**  
Department of Zoology  
Academic year: 2021-2022

**Annual teaching plan**

**Term I**

**Semester - II**


**Subject: Animal Biotechnology**

**Name of the teacher: Miss Pallavi Sanjay Shetfalkar**

**Course Title: B. Sc. III**

Month - November			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Unit IV- Culture Techniques and application	Animal cell culture Sterilization Technique
02	00	02		
Month - December			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Unit IV- Culture Techniques and application	Molecular Diagnosis diseases- Cystic fibrosis
02	00	02		
Month - January			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Unit IV- Culture Techniques and application	Molecular Diagnosis diseases- Sickle cell anemia
02	00	02		

  
**Ms. Pallavi S. Shetfalkar**

  
**Dr. G. K. Sontakke**  
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Academic year: 2021-22

**Annual teaching plan (Practical)**

Teacher Name: - Ms. P. S. Shetfalkar

Class	Practical No.	Batch	Practical based on paper
B. Sc. I	Practical I	B3, B5	Animal Diversity (Section I) Comparative Anatomy and Developmental biology of Vertebrates (Section II)
B. Sc. II	Practical I	B2, BM	Physiology and Biochemistry

*P. S. Shetfalkar*

Name and Signature of Teacher

*P. S. Shetfalkar*

Name and Signature of HOD  
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**DEPARTMENT OF ZOOLOGY**  
Academic year: 2021-22

**Annual teaching plan (Practical)**

**Teacher Name:** - Ms. V. K. Patil

Class	Practical No.	Batch	Practical based on paper
B. Sc. II	Practical II	B1, BB	Physiology and Biochemistry
B. Sc. III	Practical IV	B2	Immunology

*V. K. Patil*

**Name and Signature of Teacher**

*Patil*

**Name and Signature of HOD**

**Head,**  
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Vivekanand College, Kolhapur (Autonomous)

Department of Zoology

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Annual teaching plan

Term II

Semester: VI

Subject: Ecology & Aquatic Biology

Teacher Name: - Dr. Gajanan K. Sontakke

Course title: B.Sc. III

Month: March			Module unit	Sub unit planned
Lectures	Practical	Total		
2	4	6	Unit IV	Freshwater Biology
Month: April			Module unit	Sub unit planned
Lectures	Practical	Total		
2	4	6	Unit V	Streams and their conservation
Month: May			Module unit	Sub unit planned
Lectures	Practical	Total		
2	4	6	Unit VI	Management of Aquatic Resources.

Dr. G. K. Sontakke

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Department of Zoology  
Academic year: 2021-2022

Annual teaching plan

Term II

Semester: VI

Subject: Immunology

Teacher Name: - Dr. Tekchand C. Gaupale

Course title: B.Sc. III

Month: March			Module unit	Sub unit planned
Lectures	Practical	Total		
8	4	12	Unit I	Overview of the Immune System
Month: April			Module unit	Sub unit planned
Lectures	Practical	Total		
8	4	12	Unit II	Cells and Organs of the Immune System Hematopoiesis, Cells of immune system
Month: May			Module unit	Sub unit planned
Lectures	Practical	Total		
8	4	12	Unit II	organs (primary and secondary lymphoid organs) of the immune system

*Gaupals*

Dr. Tekchand C. Gaupale

*G.K.*

Dr. G. K. Sontakke  
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Department of Zoology

Academic year: 2021-2022

Annual teaching plan

Term II

Semester: II

Subject: Developmental Biology Of

Vertebrates

Teacher Name: - Dr. Tekchand C. Gaupale Course title: B.Sc. I

Month: March			Module unit	Sub unit planned
Lectures	Practical	Total		
4	4	8	Unit I	Unit I Integumentary System Derivatives of integument w.r.t. glands and digital tips
Month: April			Module unit	Sub unit planned
Lectures	Practical	Total		
4	4	8	Unit I	Skeletal System Appendicular Skeletons
Month: May			Module unit	Sub unit planned
Lectures	Practical	Total		
4	4	8	Unit I	Digestive System Brief account of alimentary canal and digestive glands

Dr. Tekchand C. Gaupale

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Annual teaching plan

Term II

Semester: II Subject: Comparative Anatomy & Developmental Biology of Vertebrates

Teacher Name: -Ms. Najnin A. Patel Course title: B.Sc. I

Month: March			Module unit	Sub unit planned
Lectures	Practical	Total		
4	4	8	Unit III	Early embryonic development Gametogenesis- Spermatogenesis, Oogenesis with reference to mammals
Month: April			Module unit	Sub unit planned
Lectures	Practical	Total		
4	4	8	Unit III	External fertilization (Amphibia), internal fertilization mammals, early embryonic development
Month: May			Module unit	Sub unit planned
Lectures	Practical	Total		
4	4	8	Unit III	Fate map & Neurulation in frog embryo

  
Ms. Najnin A. Patel

  
Dr. G. K. Sontakke  
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Department of Zoology

Academic year: 2021-2022

Annual teaching plan

Term II

Semester: VI


Subject: Immunology

Teacher Name: -Ms. Najnin A. Patel

Course title: B.Sc. III

Month: March			Module unit	Sub unit planned
Lectures	Practical	Total		
8	4	12	Unit IV	Antibodies – structure, class & function of antibodies Hybridoma technology- monoclonal & polyclonal antibody
Month: April			Module unit	Sub unit planned
Lectures	Practical	Total		
8	4	12	Unit IV & V	ELISA & its types Structure and functions of MHC, exogenous and endogenous pathways of antigen presentation and processing
Month: May			Module unit	Sub unit planned
Lectures	Practical	Total		
8	4	12	Unit V	Basic properties and functions of cytokines, Complement system: Components and pathways.

  
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Department of Zoology

Academic year: 2021-2022

Annual teaching plan

Term II

Semester: IV  
Evolution

Subject: Cell Biology, Genetics and

Name of the teacher: Dr. Tejashri C. Patil Course: B. Sc. II

Month – February 2022			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Unit III	Major events in history of life, geological time scale
8	4	12		
Month- March 2022				
Lectures	Practicals	Total	Unit III	Introduction to evolutionary Theories Lamarckism, Darwinism
8	4	12		
Month –April 2022				
8	4	12	Unit III	Neo Darwinism, organic Variation, types of selection

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Term II

Semester: VI

Name of the teacher: Dr. Tejashri C. Patil

Subject: Immunology

Course: B. Sc. III

Month – February 2022			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Unit 6	Gell and Coombs classification of hypersensitivity, Concept of autoimmunity
8	4	12		
Month- March 2022				
Lectures	Practicals	Total	Unit 6	Autoimmune Disorders, concept of Immunodeficiency
8	4	12		
Month -April 2022				
8	4	12	Unit 7	Vaccines, types of vaccine, Production of vaccine

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**Annual teaching plan**

**Term II**

**Semester: IV**

**Subject: Cell biology, Genetics and Evolution**

**Teacher Name: -Dr. Sneha S. Desai**

**Course title: B.Sc. II**

<b>Month: March</b>			<b>Module unit</b>	<b>Sub unit planned</b>
Lectures	Practical	Total		
2	2	4	Unit I	Mendelian genetics & its extension Principal of inheritance
<b>Month: April</b>			<b>Module unit</b>	<b>Sub unit planned</b>
Lectures	Practical	Total		
4	4	8	Unit I	Chromosomal theory of inheritance Incomplete dominance & codominance
<b>Month: May</b>			<b>Module unit</b>	<b>Sub unit planned</b>
Lectures	Practical	Total		
4	4	8	Unit I	Multiple alleles w.r.t. ABO Rh factor

  
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Term II

Semester: IV

Subject: Cell biology, Genetics and

Evolution

Teacher Name: - Ms. Yogita S. Pujari

Course title: B.Sc. II

Month: March			Module unit	Sub unit planned
Lectures	Practical	Total		
2	2	4	Unit IV	Direct evidences of evolution Types of fossils
Month: April			Module unit	Sub unit planned
Lectures	Practical	Total		
4	4	8	Unit IV	Process of fossilization Dating of fossils Geiger-Muller Counter
Month: May			Module unit	Sub unit planned
Lectures	Practical	Total		
4	4	8	Unit IV	Species concept Biological species concept Modes of speciation <b>Extinction</b> Mass extinction (Causes, Names of five major extinctions, K-T extinction in detail), Role of extinction in evolution



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**Term II**

**Semester:** VI

**Subject:** Ecology & Aquatic Biology

**Teacher Name:** -Ms. Yogita S. Pujari

**Course title:** B.Sc. III

<b>Month: March</b>			<b>Module unit</b>	<b>Sub unit planned</b>
Lectures	Practical	Total		
2	4	6	Unit II	Aquatic Biomes Brief introduction of the aquatic biomes: Freshwater ecosystem wetlands,
<b>Month: April</b>			<b>Module unit</b>	<b>Sub unit planned</b>
Lectures	Practical	Total		
2	4	6	Unit II	Streams and rivers, estuaries, intertidal zones
<b>Month: May</b>			<b>Module unit</b>	<b>Sub unit planned</b>
Lectures	Practical	Total		
2	4	6	Unit II	Oceanic pelagic zone, marine benthic zone and coral reefs.

*Yogita S. Pujari*

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**Term II**

**Semester - II**


**Subject:** Comparative Anatomy & Developmental Biology of Vertebrates

**Name of the teacher:** Miss Pallavi Sanjay Shetfalkar

**Course Title:** B. Sc. I

Month - March			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Unit II	Sense Organs Types of receptor
04	04	08		
Month - April			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Unit III	Late Embryonic Development- Implantation of embryo in humans,
04	04	08		
Month - May			Module/Unit:	Sub-units planned
Lectures	Practicals	Total	Unit III	Formation of human placenta and function, other types of placenta in mammals
04	04	08		

  
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