

BIOLOGY

Month	Unit	Topic
April- May	Bridge Course	Cell
		Cell Division
		Revision of Class 10
		Introduction to Class 11
		Diagrams- Eye, Ear, Heart(L.S. With Nodal Tissue)
June- July	Unit I And II	The Living World
		Biological Classification
		Plant Kingdom
		Animal Kingdom
July	UT 1	
August	Unit II And III	Biomolecules
		Morphology of Flowering Plants
		Anatomy of Flowering Plants
August	Unit III	Structural Organisation of Animals
September	Revision And BT I	
October	Unit III	Structural Organisation of Animals (Contd)
November - December	Unit IV And V	Transport in Plants
		Photosynthesis in Higher Plants
		Respiration in Higher Plants
		Digestion and Absorption
		Breathing and Exchange of Gases
November-December	UT 2	
January	Unit V	Body Fluids and Circulation
		Excretory Products and Their Elimination
		Locomotion and Movement
		Neural Control and Co-Ordination
		Chemical Co-Ordination And Integration
	Unit IV (Contd)	Mineral Nutrition in Plants
		Plant Growth and Development
January	UT 3	
February	Revision And BT II	
Theory Paper 70 Marks + Practical Work 30 Marks		

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Practical work: Project File and Viva

Practical Marks: 30 Marks

Exam	Experiments	Spotting
Block Test 1	1. Study osmosis by potato osmometer	1. Study parts of compound microscope
	2. Test for the presence of sugar, starch, proteins and fats	2. Plant kingdom – Permanent slides, specimens, models
		3. Animal kingdom – Permanent slides, specimens, models
Block Test 2	3. Preparation and study TS of dicot stem	4. Study of Mitosis – Permanent slides
	1. Preparation and study TS of monocot stem	5. Study of external morphology of cockroach through specimens/charts
		1. Plant tissues and animal tissues
Block Test 2	2. Study of plasmolysis in epidermal peels (eg. Rhoen Leaves)	2. Modification of root-stem leaves
		3. Study of human skeleton and different types of joints

Evaluation Scheme

Heading	Marks
One major experiment Part A	5
One minor experiment Part A	4
Slide Preparation Part B	5
Spotting Part C	7
Practical Record + Viva Voce	4
Project Record + Viva Voce	5
Total Marks	30