

SYLLABUS DISTRIBUTION [2025-26]

CLASS: XI

SUBJECT: BIOLOGY [044]

DETAILED DISTRIBUTION OF THE SYLLABUS:

S.N O.	UNIT	NAME OF THE UNIT	CH. NO.	CHAPTER	PRACTICALS	TENATIVE MONTHS
1.	I	<u>DIVERSITY OF LIVING ORGANISMS</u>	1	Cell-The Unit of Life The Living World	Parts of a compound microscope.	APRIL-JULY
			2	Biological Classification	Specimens/slides/models and identification with reasons	
			3	Plant Kingdom	Specimens/slides/models and identification with reasons	
			4	Animal Kingdom	Virtual specimens/slides/models and identifying features	
2.	V	<u>HUMAN PHYSIOLOGY</u>	14	Breathing and Exchange of Gases	Virtual specimens/slides/models and identifying features	JULY-SEPTEMBER
			15	Body Fluids and Circulation	Study and describe locally available common flowering plants	
			16	Excretory Products and their Elimination	Study of osmosis by potato osmometer	
			17	Locomotion and Movement	Comparative study of the rates of transpiration	
			18	Neural Control and Coordination	Study of distribution of stomata on the upper and lower surfaces of leaves.	
			19	Chemical Coordination and Integration	Mitosis in onion root tip cells and animals cells	
3.	IV	<u>PLANT PHYSIOLOGY</u>	11	Photosynthesis in Higher Plants	Study of plasmolysis in epidermal peels	OCTOBER-NOVEMBER
			12	Respiration in Plants	Preparation and study of T.S. of dicot and monocot roots and stems (primary).	
			13	Plant - Growth and Development	Test for the presence of sugar, starch, proteins and fats in suitable plant and	

					animal materials.	
4.	III	<u>STRUCTURE AND FUNCTION OF CELL</u>	8	Cell: Structure and Function	Separation of plant pigments through paper chromatography.	NOVEMBER-DECEMBER
			9	Biomolecules	Study of the rate of respiration in flower buds/leaf tissue and germinating seeds.	
			10	Cell Cycle and Division	Different types of inflorescence	
					Human skeleton and different types of joints with the help of virtual images/models only	
5.	II	<u>STRUCTURAL ORGANIZATION IN ANIMALS AND PLANT</u>	5	Morphology of Flowering Plants	Test for presence of urea in urine	JANUARY
			6	Anatomy of Plants	Test for presence of sugar in urine	
			7	Structural Development in Animals	Test for presence of albumin in urine	
					Test for presence of bile salts in urine	

**WRITTEN TEST I (TERM I) [13.05.2025]
CHAPTERS 1 AND 2**

**WRITTEN TEST II (TERM I) [04.08.2025]
CHAPTERS 3 AND 4**

**HALF YEARLY EXAMINATION [SEPTEMBER ONWARDS]
CHAPTERS: 1, 2, 3, 4, 14, 15**

**WRITTEN TEST (TERM II) [16.12.2025]
CHAPTERS 16 AND 17**

**ANNUAL EXAMINATION
[ALL THE CHAPTERS FROM CHAPTER 1 TO CHAPTER 19]**