

ACADEMIC CALENDAR FOR THE YEAR 2026-2027

Month wise distribution of course content in Biology for class XI.

FIRST TERM: June 2026 to October 2026

SECOND TERM: October 2026 to March 2027

Sr. No	Month and year	Unit	Chapter	Practical	Remarks if any.
1.	June 2026	I.DIVERSITY IN THE LIVING WORLD	1. The Living World 2. Biological Classification 3. Plant Kingdom	<u>Section A Physiology experiment</u> To test the presence of sugar, starch, proteins and fats in suitable plant and animal material. <u>Section C Identification</u> Biological classification: I. Kingdom -Monera (Bacteria/ Cyanobacteria) ii. Kingdom Protista (Amoeba/ Paramoecium) iii. Kingdom Fungi (Mucor/Rhizopus/ Agaricus) iv. Kingdom Plantae - Algae (Spirogyra/ Ulothrix) - Bryophytes (Funaria/ Riccia) - Pteridophytes (Selaginella/ Nephrolepis) - Gymnosperms (Cycas/Thuja/ Pinus)	Any other suitable example may be used. Internal assessment of 20 marks to be split into 10+10 by conducting two activities. One activity

				- Angiosperms (Monocot-Oryza/Zea; Dicot-Vinca/Mangifera) - Lichens	per term.
2.	July 2026	II.STRUCTURAL ORGANISATION IN PLANTS AND ANIMALS	5. Morphology of flowering plants 6. Anatomy of flowering plants	<u>Section C</u> 1.Study and description of one flowering plant belonging to family Solanaceae with dissection and display of floral whorls, anther and ovary. <u>Section A Physiology experiment</u> To study the action of salivary amylase on starch.	Any local plant can be used for study of plant family Solanaceae. E.g. Chilli, tomato, Datura, Petunia, Angel's Trumpet.
3.	August 2026	I.DIVERSITY IN THE LIVING WORLD II. STRUCTURAL ORGANISATION	4. Animal Kingdom 07. Structural	<u>Section B</u> Preparation of temporary stained slides of: i. Animal Cell-Human cheek squamous epithelial cells. ii.Plant cells-Onion epidermal cells. <i>To highlight similarities and differences</i> <u>Section C</u>	Any locally

		IN PLANTS AND ANIMALS III. CELL: STRUCTURE AND FUNCTION	organization in animals 08. Cell: The Unit of Life	<u>Identification</u> Study of type of inflorescence- i. Racemose- Caesalpinia ii. Cymose- Jasminum/Mogra	available inflorescence may be used for practical.
4.	September 2026	III. CELL: STRUCTURE AND FUNCTION	09. Biomolecules 10. Cell cycle and cell division Revision- First term theory exam.	Revision – First term practical exam	
5.	October 2026	IV. PLANT PHYSIOLOGY	13. Photosynthesis in higher plants 14. Respiration in plants	<u>Section A Physiology experiment</u> Separation of plant pigments using paper chromatography. <u>Section C Identification</u> Biological classification:	

8.	January 2027	V. HUMAN PHYSIOLOGY	19. Excretory products and their elimination 20. Locomotion and movement	<u>Section A</u> <u>Physiology experiment</u> Analysis of normal and abnormal components of urine- Urea, sugar, albumin and bile salts. <u>Section C</u> <u>Identification</u> Biological Classification: Kingdom Animalia- Phylum Chordata i. Class Cyclostomata- Petromyzon ii. Class Chondrichthyes- Scoliodon iii. Class Osteichthyes- Labeo iv. Class Amphibia- Rana v. Class Reptilia- Calotes/Hemidactylus/ Snake vi. Class Aves- Columba/Crow vii. Class Mammalia- Oryctolagus/Rat	
9.	February 2027	V. HUMAN PHYSIOLOGY	21. Neural control and coordination	<u>Section C</u> Study of animal tissues. 1. Epithelial tissue. (any one)	

			22. Chemical coordination and integration Revision-Second term theory exam.	2. Connective tissue. (any one) 3. Muscular tissue. (any one) Revision-Second term practical exam.	
10	March 2027		Revision-Second term theory exam.	Practical exam	