

ACADEMIC CALENDAR FOR THE YEAR 2026-2027

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

FIRST TERM: APRIL 2026 TO OCTOBER 2026

SECOND TERM: OCTOBER 2026 TO DECEMBER 2026

[illegible]

				the tongue and Widow's peak.	
3.	June/July 2026	GENETICS AND EVOLUTION	6. Molecular basis of inheritance	<u>Section B</u> Preparation of temporary stained slide of mitosis using onion root tip.	
	July 2026	BIOLOGY IN HUMAN WELFARE	10. Microbes in human welfare	<u>Section A</u> <u>Physiology experiment</u> Study of B.O.D of the given pond water sample.	
4.	August 2026	ECOLOGY	14. Ecosystem	<u>Section A</u> <u>Physiology experiment</u> Study of the effect of different temperature on the action of salivary amylase on starch.	
		GENETICS AND EVOLUTION	7. Evolution	<u>Section C</u> 1. Identification of homologous organs in plants. E.g. Thorn in bougainvillea and tendril of cucurbita. 2. Identification of homologous organs in animals. E.g. Forelimb of frog	

		BIOLOGY IN HUMAN WELFARE	8. Human health and diseases	and wings of bird/bat. 3. Identification of analogous organs in plants. E.g. Potato and sweet potato. 4. Identification of analogous organs in animals. E.g. Wing of bat and wings of butterfly. <u>Section C</u> Identification of organisms and symptoms of diseases caused- i. <i>Ascaris lumbricoides</i> ii. <i>Entamoeba histolytica</i> iii. <i>Plasmodium vivax</i>.	
5.	September 2026	BIOTECHNOLOGY	11. Biotechnology: Principles and Processes 12. Biotechnology and its applications	<u>Section B</u> Preparation of temporary stained slide of meiosis using Onion / Rheo anthers. <u>Section C</u> <u>Identification</u> 1. Adaptations in insect pollinated	If flowers are not available in this month, it can be performed whenever available.

				flower. E.g. Ocimum /Leucas/Salvia 2. Adaptations in wind pollinated flower. E.g. Grass/Maize	
6.	October 2026	ECOLOGY	13. Organisms and populations	<u>Section C</u> <u>Identification</u> 1. Adaptation of a plant to dry condition. E.g. Opuntia. 2. Adaptation of an animal to dry condition. E.g. Desert lizard/Kangaroo rat. 3. Adaptation of a plant to aquatic condition. E.g. Water Hyacinth/Hydrilla a/Lotus. 4. Adaptation of an animal to aquatic condition. E.g. Rohu fish.	
7.	November 2026	ECOLOGY	15. Biodiversity and Conservation	<u>Section A</u> Study of the effect of different pH on the action of salivary amylase on starch.	

8.	November/ December 2026		Revision- Board Theory exam.	Revision- Board practical exam.	
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