



FORTNIGHTLY SYLLABUS PLANNING (2025-26)

CLASS XII

SUBJECT-BIOLOGY

New Session begins on 3rd March 2025

S.no.	Duration	No. of Teaching Days	Theory	Practical/ Activity	Weightage in Board
1	1 st March – 15 th March	9	Ch. 1- Sexual Reproduction in plants	Expt – To Study pollen germination on a slide. Spot - Pollen germination on stigma through a permanent slide Spot - Flowers adapted to pollination by different agencies (wind, insect).	Unit VI - Reproduction 16 marks
2	16 th March-31 st March	11	Ch. 2 – Human Reproduction Ch. 3 – Reproductive Health	Spot – Exercise on controlled pollination - emasculation, tagging and bagging Spot - Identification of stages of gamete development i.e. T.S. testis , and T.S. ovary through permanent slides (from any mammal). Spot - T.S. of blastula through permanent slides	
3	1 st April-15 th April	10	Ch. 4 – Principles of inheritance	Spot - Study prepared pedigree charts of any one of the genetic traits such as rolling of tongue, blood groups, ear lobes, widow's peak and colour blindness. Spot-Mendelian inheritance using seeds	Unit VII- Genetics and Evolution- 20 marks
4	16 th April- 30 th April	10	Ch. 4 – Principles of inheritance (CONTD) Ch. 5 – Molecular basis of inheritance	Expt - To prepare a temporary slide of mitosis from onion root tips	
Unit Test: 28th April – 9th May 25					
5	1 st May- 15 th May	10	Ch. 5 – Molecular basis of inheritance		
6	16 th May – 31 st May	6	Ch-6 Evolution	Spot-Models/specimens of symbiotic association, Spot-flash cards showing examples of homologous and analogous organs.	
Summer Vacations:26th May – 30th June 25					
7	1 st July- 15 th July	11	Ch-6 Evolution(CONTD)		
Periodic Test-1: 11th July – 23rd July 25					
8	16 th July-31 st July	12	Ch.9- Biotechnology: Principles Ch. 10 – Biotechnology and its application	Isolate DNA from available plant material.	Unit IX- Biotechnology- 12 marks
9	1 st Aug- 15 th Aug	10	Ch.7 – Human health and diseases	Spot- Disease causing microbes	Unit VIII- Biology in Human Welfare- 12 marks
10	16 th Aug- 31 st	10	Ch.8- Microbes in Human		

	Aug		Welfare		
Syllabus Completion for Mid Term Examination: 29th Aug 2025					
Practicals for Mid Term Examination: 8th Sept – 12th Sept 25					
11	1 st Sept-15 th Sept	9	REVISION		
Mid Term Examination - 15th Sept- 26th Sept 25					
Autumn Break- 30 Sept – 2nd Oct 25					
12	1 st Oct- 15 th Oct	8	Ch.11 – Organisms and population Ch.12- Ecosystem	Specimens of animals and plants adapted to land and water	Unit X- Ecology-10 marks
13	16 th Oct-31 st Oct	8	Ch.13 – Biodiversity and conservation	Expt - . Study of plant population density and population frequency by quadrat method	
Syllabus Completion for Board Examination – 31st Oct 25					
14	1 st Nov -15 th Nov	3	REVISION		
Diwali Break : 20th Oct - 23rd Oct 25					
Preboard 1 Examination: 7th Nov – 17th Nov 25					
15	16 th Nov-30 th Nov	9	REVISION		
Pre Board 2 Practicals: 1st Dec – 5th Dec 25					
Pre Board - 2 Examination: 8th Dec – 19th Dec 25					
Winter Break- 29th Dec - 9th Jan 26					

TOTAL TEACHING DAYS: 136

SYLLABUS FOR ASSESSMENT

Exam	Test Date	Syllabus
UNIT TEST	May2,2025	Unit VI Reproduction
PERIODIC TEST 1	July 18,2025	Unit VI Reproduction Unit VII Genetics and Evolution
MID TERM EXAMINATION	Sept.26,2025	Unit VI Reproduction Unit VII Genetics and Evolution Unit IX Biotechnology
PRE BOARD 1 EXAMINATION	Nov.17,2025	Full Syllabus Unit VI -Reproduction Unit VII-Genetics and Evolution Unit VIII-Biology in Human Welfare Unit IX-Biotechnology Unit X-Ecology
PRE BOARD 2 EXAMINATION	Dec.19,2025	Full Syllabus Unit VI -Reproduction Unit VII-Genetics and Evolution Unit VIII-Biology in Human Welfare Unit IX-Biotechnology Unit X-Ecology