



FORTNIGHTLY SYLLABUS PLANNING (2023-24)

CLASS XI

SUBJECT-BIOLOGY

New Session begins on 10 th April, 2023				
S.No.	Duration	No. of Teaching Days	Theory	Practical/ Activity
1	1 st April-15 th April	4	Ch-1 The Living World	Spot-Parts of compound microscope
2	16 th April- 30 th April	10	Ch-2 The Biological Classification Ch-3 Plant Kingdom	Spot- Plant specimens
3	1 st May- 15 th May	10	Ch-4 Animal Kingdom	Spot-Animal specimens Expt 1 - Study and describe three locally available common flowering plants, one from each of the families Solanaceae, Fabaceae and Liliaceae including dissection and display of floral whorls and anther and ovary to show Spot- different types of inflorescence
4	16 th May-31 st May	9	Ch-5 Morphology of Flowering Plants Ch-6 Anatomy of Flowering Plants	Expt - Preparation and study of T.S. of dicot and monocot stems (primary). Expt - Preparation and study of T.S. of dicot and monocot roots.
Summer Vacations:29 th May – 30 th June'23				
5	1 st July- 15 th July	10	Ch-6 Anatomy of Flowering Plants (Contd.) Ch-7 Structural organisation in Animals	
Periodic Test-1: 17 th July - 7 th August 23				
6	16 th July-31 st July	11	Ch-8 Cell - The Unit of Life	Spot-Study of mitosis in onion root tips cells and animals cells (grasshopper) from permanent slides
7	1 st Aug- 15 th Aug	10	Ch-9 Bio molecules	Expt-Study of distribution of stomata in the upper and lower surface of leaves
8	16 th Aug- 31 st Aug	11	Ch-10 Cell Cycle and Cell Division	Expt - Comparative study of the rates of transpiration in the upper and lower surface of leaves
Syllabus Completion for Mid Term Examination: 31 st Aug 2023 Practicals for Mid Term Examination: 6 th Sept – 13 th Sept 23				
9	1 st Sept-15 th Sept	7	REVISION	
Mid Term Examination - 15 th Sept- 25 th Sept 23				
10	1 st Oct- 15 th Oct	9	Ch-13 Photosynthesis in Higher Plants	Expt 8-Separation of plant pigments through paper chromatography.
Autumn Break- 23 rd Oct- 24 th Oct 23				
11	16 th Oct-31 st Oct	10	Ch-14 Respiration in Plants Ch-15 Plant Growth and Development	Expt 9- To study the rate of respiration in flower buds/leaf Expt - Study of osmosis by potato osmometer. Expt - Study of plasmolysis in epidermal peels (e.g. Rhoeo leaves)
12	1 st Nov -15 th Nov	8	Ch 17- Breathing and Exchange of gases	Expt.- Test for presence of Sugar,Starch,Protein and Fat in suitable plant and animal materials
Diwali Break : 13 th Nov - 15 th Nov'23 Annual Day – 24 th Nov 23				
13	16 th Nov-30 th Nov	8	Ch-18 Body Fluids and Circulation	
Periodic Test-2: 8 th Dec -18 th Dec'23				
14	1 st Dec- 15 th Dec	11	Ch-19 Excretory Products and their Elimination Ch-20 Locomotion and Movement	Expt.- Presence of urea,sugar,albumin and bile salts in urine sample Spot-study of Human Skeleton/Bones and types of joints

15	16 th Dec-31 st Dec	9	Ch-21 Neural Control and Coordination	
Winter Break- 1st Jan - 12th Jan'24				
16	15 th Jan- 31 st Jan	12	Ch-22 Chemical Coordination and Integration	
Syllabus Completion for Annual Examination : 31st Jan'24				
17	1 st Feb -16 th Feb	5	REVISION	
Practicals for Annual Examination: 1st Feb – 7th Feb 24				
Annual Exam begins: 12th Feb'24				

SYLLABUS FOR ASSESSMENT

Exam	Test Date	Syllabus
PERIODIC TEST 1	Aug.4,2023	UNIT I
MID TERM EXAMINATION	Sept.20,2023	UNIT I UNIT-II Ch-8 Cell - The Unit of Life Ch-9 Bio molecules Ch-10 Cell Cycle and Cell Division
PERIODIC TEST 2	Dec.8,2023	UNIT –III Ch-13 Photosynthesis in Higher Plants Ch-14 Respiration in Plants Ch-15 Plant Growth and Development
ANNUAL EXAMINATION	Feb.21,2023	Complete syllabus UNIT I-V