

New Session begins on April 24, 2019

Syllabus				
Cycle No	Duration of Cycle	No. of Teaching Days	Chapter/Topic	Practical/Activity
1	24th April – 30th April	5	Chapter 1- The Living World Chapter 2- Biological Classification	Activity 1 - To make Herbarium of Plant Specimens Activity 2- To examine the specimens of Bacteria, Nostoc, Euglena, Paramecium, Aspergillus, Agaricus Practical 1- Study of Compound Microscope
2	1st May – 15th May	11	Chapter 3- Plant Kingdom	Practical 2- Study of Plant Specimens (Oscillatoria, Spirogyra, Rhizopus, Agaricus, Yeast, Lichen, Liverwort, Funaria, Fern, Pinus, Onion, Pea) Practical 3- Study of Animal Specimens (Amoeba, Hydra, Liverfluke, Ascaris, Leech, Earthworm, Prawn, Honey Bee, Snail, Starfish, Shark, Rohu, Frog, Wall Lizard, Pigeon, Rabbit)
3	16th May – 29th May	10	Chapter 4- Animal Kingdom	Practical 4- Study of Modifications in Root, Stem and Leaves Practical 5- Preparation and study of T.S of Dicot and Monocot Roots and Stems Practical 6- Study of Plant Tissues (Palisade Parenchyma, Guard Cells, Parenchyma, Collenchyma, Sclerenchyma, Xylem, Phloem) Practical 7 - Study and Identification of Inflorescences (cymose and racemose) Activity 3- To make the floral diagram of Pisum sativum, Solanum nigrum, Allium cepa.
Summer Vacation IX-XII - May 30, 2019 to June 30, 2019				
4	1st July – 15th July	11	Chapter 5- Morphology of Flowering Plants Chapter 6- Anatomy of Flowering Plants	Practical 8- Study of Animal Tissues (Squamous Epithelium, Striated Muscle Fibres, Smooth Muscles, Cardiac Muscles, Human Blood Smear) Activity 4- Study of External Morphology of Cockroach.
5	16th July – 31st July	12	Chapter 7- Structural Organisation in Animals Chapter 8- Cell: The Unit of Life Chapter 9- Biomolecules	Activity 5 - To show the pictures of Endoplasmic reticulum, Golgi apparatus, Lysosomes, Vacuoles, Mitochondria, Plastids, Ribosomes, Cilia and Flagella, Nucleus
6	1st August – 15th August	9	Chapter 10- Cell Cycle and Cell Division Chapter 11- Transport in Plants	Practical 9- Study of Mitosis Cell Division Practical 10- Plasmolysis in Epidermal Peels Practical 11- Osmosis by Potato Osmometer
7	16th August – 31st August	11	Chapter 12- Mineral Nutrition	Activity 6- To paste the pictures of different Deficiency symptoms of Essential elements in Plants
Syllabus Completion for Half Yearly Examination: August 28, 2019				
Half Yearly Examination: September 9, 2019 to September 23, 2019				

8	1st Sept – 15th Sept	4	Revision	
9	16th Sept - 15th Oct	13	Chapter 13- Photosynthesis in Higher Plants	Practical 12- Distribution of Stomata in Leaf Surfaces Practical 13-Separate Chlorophyll Pigments through Paper chromatography.
10	16th Oct – 31st Oct	9	Chapter 14- Respiration in Plants	Practical 14- Rate of respiration in Flower Buds/ Leaf tissue germinating seeds Practical 15- Study of Imbibition in Seeds/ Raisins
11	1st Nov – 15th Nov	10	Chapter 15- Plant Growth and Development Chapter 16- Digestion and Absorption	Practical 16- Anaerobic respiration, Photoperiodism in Plants, Apical Bud Removal and Suction due to transpiration Practical 17- Test for the presence of Sugar, Protein and Fat in suitable plant and animal materials
Dussehra /Autumn Break - October 5, 2019 to October 8,2019				
12	16thNov - 30th Nov	11	Chapter 17- Breathing and Exchange of Gases Chapter 18- Body Fluids and Circulation	Activity 7- To show the PPT of Respiratory System and Circulatory System
Diwali Break - October 26,2019 to October 29,2019				
13	1stDec – 15th Dec	10	Chapter 19- Excretory Products and their Elimination Chapter 20- Locomotion and Movement	Practical 18- Presence of urea, sugar, albumin and bile salts in urine sample Practical 19- Types of Joints in Human Body Practical 20- Human Skeleton/ Bones
14	16th Dec –31stDec	9	Chapter 21- Neural Control and Coordination	Activity 8- Students will give presentation on Human Nervous System
15	1st Jan-15th Jan	8	Chapter 22- Chemical Control and Coordination	Activity 9- Role of different types of hormones in our body will be shown in smart class
16	16th Jan - 31st Jan	12	Revision	
17	1st Feb – 15th Feb	10	Revision	
Syllabus Completion for Annual Examination: January 24, 2020				
Annual Examination: February 7, 2020 to February 24, 2020				
Assessment		Assessment Schedule		Syllabus for Assessment
PT-1		Date	Subject	
Syllabus of PT-1 should be completed Seven days before the Scheduled exam date for the Respective subject.		07.08.2019	Biology	Unit 1- Diversity in the Living World
Half Yearly Examination		09.09.2019 to 23.09.2019		Unit1, Unit 2, Unit 3
PT-2		Date	Subject	
Syllabus of PT-2 should be completed Seven days before the Scheduled exam date for the Respective subject.		13.12.2019	Bio/Eco/Geo	Chapter 13- Photosynthesis in Higher Plants Chapter 14- Respiration in Plants Chapter 15- Plant Growth and Development
Annual Examination:		17.02.2020 to 05.03.2020		Full Syllabus