

Class – XI
REVISED SYLLABUS
(For the Session of 2020-21 Only)
Biology
(THEORY)

I. Diversity in Living World

Diversity of living organisms

Binomial System of nomenclature

Salient features of animal (non-chordates up to phylum level and chordates up to class level) and viruses, viroids, lichens.

II Structural Organisation in Animals and Plants

Tissues in animals and plants.

Morphology, anatomy and functions of different systems of an annelid (earthworm) and an amphibian (frog).

III CELL: STRUCTURE AND FUNCTION

Cell: Cell theory; Prokaryotic and eukaryotic cell, cell wall, cell membrane and cell organelles'

(plastids, mitochondria, endoplasmic reticulum, Golgi bodies/dictyosomes, ribosomes, lysosomes, vacuoles, centrioles) and nuclear organization.

Mitosis, meiosis, cell cycle.

Basic chemical constituents of living bodies.

Structure and functions of carbohydrates, proteins, lipids and nucleic acids. Enzymes: types, properties and function.

IV. Plant Physiology

Respiration, Photosynthesis.

V. Human Physiology

Breathing and respiration.

Body fluids and circulation.

Excretory products and elimination.

chemical coordination and regulation.