

REMEDIAL BIOLOGY

THEORY 2 hours / week Module - I

Morphology: Root and stem modifications, leaf, flower, fruit & seed.

Anatomy: Tissue system in root, stem, leaf, bark & wood.

Plant cell: Organelles, cell division, tissues and types.

Module - II

Methods of classification: Artificial, natural and phylogenetic.

Plant taxonomy: Families; Apocyanaceae, Solanaceae, Fabaceae, Rubiaceae, Lamiaceae, Umbrelliferae, Papaveraceae, and Liliaceae

Module - III

Principal compounds of cell: Properties of Biological significance of the following:

Carbohydrates, Lipids, Amino acids, Proteins, Nucleic acid, Vitamins, Plant hormones & growth inhibitors and Steroids

Module - IV

Animal Kingdom: Structure and life history of Amoeba, Entamoeba, Trypanosoma, Plasmodium, Taenia, Ascaris and Fasciola.

Module - V

General structure and life history of insects like Mosquito, Housefly, Mites and Silk worm.