
29. P.G. DIPLOMA IN SERICULTURE

PART-A

Group-A : BOTANY: Distribution and taxonomy of Moracea: Cytology, Polyploidy, Mutation breeding and selection of races: General account of plant disease, Diseases caused by bacteria and fungi; Phytohormones, their role in vegetative propagation and leaf quality; influence and environmental factors of growth of Mulberry (Moracea); Role of Soil, water, light, temperature and biotic factors on structure of plant communities; inorganic nutrition, essential elements, criteria of their essentiality. Their role in plant nutrition and symptoms of their deficiency, physiology of Biomass, productivity with reference to leaf yield.

PART-B

Group-B : ZOOLOGY: System Position of Disease causing Protozoa (Entamoeba, Plasmodium, Trypanosoma), Bombycidal, Helminth Parasites (Schistosoma, Echinococcus, Paragonium, Trichinella & Diphylobathrium), Classification of Arthropoda and general characteristics of insect, Cell Components, Mutations and Chromosomal aberrations; Sex determination and sex-linked inheritance; General concepts of Biotechnology, Nucleic Acids (RNA and DNA) Protein synthesis, Physiological importance and classification of proteins, Carbohydrates, Lipid, Minerals, Vitamins, Parasitism, Predation competition, Commensalism and Symbiosis.

MODEL QUESTION PAPER

Time : 90 Minutes

Max. Marks : 100

A. OBJECTIVE TYPE : MULTIPLE CHOICE :

Choose the correct answer.

- 1) The cortical tissue in mostly
a) Parenchyma in Hydrophytes b) Mesophytes c) Xerophytes d) Halophytes

(There will be altogether 100 such questions covering the entire syllabus)

ELIGIBILITY CRITERIA

P.G. DIPLOMA IN SERICULTURE: Candidates must have passed **B.Sc. (Botany, Zoology, Chemistry)** conducted by the Kakatiya University or an examination recognized as equivalent by Kakatiya University and secured 45% marks in aggregate in Part-II (40% for SC/ST). Candidates with B. Sc. (Agriculture) Degree recognized by Kakatiya University are also eligible.