



M.Sc. I Semester Degree Examination, April/May - 2024

BOTANY

DSC-I : Plant Diversity and Human Welfare

(NEP)

Time : 3 Hours

Maximum Marks : 70

Note : Answer **any five** of the following questions with question **No.1 Compulsory**. All questions carry equal marks.

1. Give a detailed account on origin and evolution of terrestrial plants. 14
2. Give an account on the following :
 - (a) Papaya ring spot virus (PRSV) 5
 - (b) Grassy shoot of sugarcane 4
 - (c) Black arm of cotton 5
3. Explain the thallus organization, reproduction, life cycle and economic importance of Rhizocarpon. 14
4. Give a detailed account on Stellar Evolution and Heterospory of Pteridophytes. 14
5. Explain in detail the anatomy and reproduction of Pinus. 14
6. Write a brief note on the following :
 - (a) Economic importance of algae 5
 - (b) Structure of Anthoceros capsule 5
 - (c) Lepidocarpon 4
7. Write short notes on the following :
 - (a) T.S of coralloid root of cycas 5
 - (b) Plant diversity conservation strategies 4
 - (c) Vegetative structures of Diatoms 5
8. Give an account on :
 - (a) YBMV 5
 - (b) Morphology of Selaginella 5
 - (c) Economic importance of mycoplasma 4

