



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

### BOTANY

#### DSC - III : Plant Pathology And Protection

#### (NEP)

Time : 3 Hours

Maximum Marks : 70

Note : Answer **any five** of the following questions. Question No.1 is **Compulsory**.

1. (a) Give an account on the history and development of Plant Pathology. **6**  
(b) Explain the classification of plant diseases. **8**
2. Discuss the role of the host, pathogen and environment in disease development. **14**
3. (a) Explain the Grain and head smut of Sorghum and Late blight of potato. **8**  
(b) Discuss the effect of pathogen, transpiration, respiration. **6**
4. (a) Give an account on epidemiology. **6**  
(b) Give a note on disease assessment methodologies. **8**
5. (a) Explain the disease concept. **6**  
(b) Major diseases and their symptoms on crops of Ballari area. **8**
6. (a) Give a detailed note on cultural methods in disease management. **6**  
(b) Describe the disease-sandal spike disease and the bacterial blight of paddy. **8**
7. (a) Explain prophylactics and systematic chemicals. **6**  
(b) Discuss the role of regulatory methods in disease management. **8**
8. (a) Write a short note on crop protection **5**  
(b) Non-Parasitic diseases of plants **4**  
(c) Explain plant doctor concept **5**

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