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Sl. No.

21BOT1C3L



M.Sc. I Semester Degree Examination, April/May - 2023

BOTANY

DSC 3 : Plant Pathology and Protection

Time : 3 Hours

Maximum Marks : 70

Note : Answer **any five** of the following questions with Question **No. 1 (Q1) Compulsory**.
Each question carries **equal** marks.

1. (a) Effect of the pathogen on the physiology of host plant with respect to photosynthesis. **6**
(b) Symptoms and control of any two fungal diseases of crop of Ballari region. **8**
2. Discuss in detail Plant disease development by giving examples. **14**
3. (a) Methods of assessment of disease incidence and disease severity. **8**
(b) Methods of estimation of loss of yield. **6**
4. (a) Crop rotation and flooding. **6**
(b) Systemic chemical treatment of pathogens. **8**
5. (a) Tobacco Mosaic Disease and bacterial blight of paddy discuss. **8**
(b) Explain the pathogens establish on seeds. **6**
6. (a) What is Aerobiology ? Justify by giving examples its role in Crop disease management. **8**
(b) Role of antagonistic microorganisms. **6**
7. (a) What is Plant quarantine ? Explain procedure of plant certification. **8**
(b) Tikka disease of ground nut. With diagrams. **6**
8. (a) Methods of monitoring splash borne **5**
(b) Control of soil-borne diseases **4**
(c) Downy mildew of maize. **5**

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