

M.Sc. (Part-I) Semester-II (CBCS Scheme) Examination
BOTANY
(Biology and Diversity of Microbes and Fungi)
Paper-VI

Time : Three Hours]

[Maximum Marks : 80

Note :— (1) All questions are compulsory and carry equal marks.

(2) Illustrate your answer with suitable examples and diagrams.

1. Describe in detail the structure of bacteria, nutrition and reproduction. 16

OR

Explain ultrastructure of Eubacteria and add a note on bacterial diseases of regional crops. 16

2. Discuss characters, ultrastructure and transmission of viruses. 16

OR

What are phytoplasma ? Give general account on diseases caused by them and add a note on their control measures. 16

3. Write on :

- (a) General account of chytridiomycetes. 5
- (b) General characters of myxomycotina. 5
- (c) Asexual Reproduction in oomycetes. 6

OR

- (d) Economic importance of fungi as a food. 5
- (e) General account of plasmodiophoromycetes. 5
- (f) Reproduction in Zygomycotina. 6

4. Discuss :

- (g) Ascocarps. 5
- (h) Types of spores in Teliomycetes. 6
- (i) Importance of Deuteromycotina. 5

OR

- (j) Sexual reproduction in Plectomycetes. 5
- (k) Basidiocarps in Hymenomycetes. 5
- (l) General character in Deuteromycotina. 6

5. Write on :

- (m) Parasexuality in fungi. 5
- (n) Endomycorrhizae. 6
- (o) Fungi - as a biological agent. 5

OR

- (p) Heterothallism in fungi. 5
- (q) Ectomycorrhizae. 5
- (r) VAM. 6

