

ST. JOSEPH'S COLLEGE (AUTONOMOUS), BENGALURU-27
M.Sc. BOTANY SEMESTER –I
BO-7118 : MICROBIOLOGY, MYCOLOGY AND PLANT PATHOLOGY

*This paper has one printed page and three parts.
Draw diagrams and give examples wherever necessary*

TIME: 2. 30 hr.

Maximum marks: 70

A. Explain/ Define any TEN of the following in one or two sentences **2x10=20**

1. PPLO
2. Haematopoiesis
3. Nosocomial infections
4. Glycocalyx
5. Oospore
6. Parasexuality
7. Crozier formation
8. Enrichment culture
9. Heterothallism
10. Woronin body
11. Soil nibblers
12. Differentiate between pathogenicity and pathogenesis

B. Write critical notes on any FIVE of the following: **5x6=30**

13. Salient features of Deuteromycotina
14. Cultivation and purification of viruses
15. Sex hormones in fungi
16. Cell mediated immune response
17. Bacterial blight of paddy
18. Vaccines
19. Mushroom toxins

C. Give a comprehensive account of any TWO of the following: **2x10=20**

20. Structure, types and diversity of antibodies
21. Classification of bacteria based on DNA-DNA hybridization
22. Host defense mechanism in plants