

ST. JOSEPH'S COLLEGE (AUTONOMOUS), BANGALORE – 560027
B.Sc BOTANY I SEMESTER
SEMESTER EXAMINATION- OCTOBER 2019

BO 118 – MICROBIOLOGY AND ALGAE

Time: 2 ½ hrs.

Max Marks: 70

This question paper has ONE printed page and three parts
Draw diagrams wherever necessary

A. Explain or define any TEN of the following in two or three sentences 10X2=20

1. PPLO
2. B-Cells
3. Chlamydia stage
4. Cryophytes
5. Louis Pasteur
6. Glycocalyx
7. Amylum stars
8. Algal bloom
9. False branching
10. Trichome
11. Oogamy
12. Mesosome

B. Write critical notes on any FIVE of the following 5X6=30

13. Thallus of *Sargassum*
14. Monoclonal antibodies
15. Vaccines
16. Structure and reproduction in *Anabaena*
17. Economic importance of Algae
18. Transduction in bacteria
19. Cell wall of Gram negative Bacteria

C. Write a comprehensive account of any TWO of the following 2X10=20

20. Life cycles in Algae (any three)
21. Structure and Reproduction of *Vaucheria*
22. Structure and multiplication of HIV