



Register Number:
Date: 25.10.2018

ST. JOSEPH'S COLLEGE (AUTONOMOUS) BENGALURU-27
M.Sc. BOTANY –I SEMESTER
SEMESTER EXAMINATION –OCTOBER-2018
BO 7218: ALGAE AND BRYOPHYTES

Time: 2½ hrs

Max. Marks: 70

This question paper has ONE printed page and THREE parts
Instructions: Draw diagrams and write examples wherever necessary

A. Explain any TEN of the following in two or three sentences: 10 x 2= 20

1. Parasitic algae
2. Succubous arrangement
3. Autoicous moss
4. Bottle hepatics
5. Hormogone
6. Gas vacuole
7. Tetraspore
8. Retort cell
9. Cladia
10. Dendroid colony
11. Slime pore
12. Phycobillins

B. Write Critical notes on any FIVE of the following: 5 x 6=30

13. Symbiotic algae
14. Characteristic features of Andreaeales and Takakiales
15. Anatomy of *Polytrichum* rhizome
16. Economic importance of diatomaceous earth
17. Motile and non-motile coenobium
18. Indirect uses of bryophytes
19. a) Male sex organ of *Chara* b) Gametophore of *Haplomitrium*

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

20. Phylogenetic relationship of algae
21. Origin of bryophytes
22. a) V.S of sporophyte of *Sphagnum* b) Epiphytic algae