

CODE: **196401**  
NOVEMBER 2020

TIME: 3Hrs  
MAX. MARKS : 50

**PART A**  
*Answer any **TEN** questions*

(10 x 2=20)

1. Gonidia
2. Pyrenoids
3. *Anabaena*
4. Tetrasporophyte
5. *Padina*
6. *Haematococcus*
7. Biofouling
8. Tubers
9. Amphigastria
10. Hair moss
11. Sporogonites
12. Apospory

**PART B**  
*Answer any **TWO** questions*

(2 x 5=10)

13. What are the characteristic features of Algae?
14. Write about the pigmentation and flagellation in Algae.
15. Explain the life cycle of *Volvox* with a schematic diagram.
16. Draw and explain the external and internal structure of *Ulva* thallus.
17. Algae as pollution indicators – Comment.
18. Discuss the methods of asexual reproduction in Bryophytes.
19. Describe the structure and reproduction of *Reboulia* with neat diagrams
20. Draw and explain the gametophytic phase of *Anthoceros*.

**PART C**  
*Answer any **TWO** questions*

(2x10=20)

21. Write in detail about the classification of Algae (Bold Wayne 1978).
22. Describe the structure and sexual reproduction of *Chara*.
23. Write a detailed note with examples on (a) Phyco-colloids and (b) Biofertilizers.
24. Write an essay on the phylogeny and economic importance of Bryophytes.
25. Draw and explain a neatly labelled diagram of *Polytrichum* sporophyte.

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