

SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN
(AUTONOMOUS)

(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)
Chromepet, Chennai — 600 044.

B.Sc.(PBPB) END SEMESTER EXAMINATIONS NOVEMBER -2023

SEMESTER - I

20UPBCT1001 - Phycology

Total Duration : 2 Hrs 30 Mins.

Total Marks : 60

Section B

Answer any **SIX** questions ($6 \times 5 = 30$ Marks)

1. Give an account on pigmentation in algae.
2. With Illustration explain the thallus structure of *Ulva*.
3. Write notes on pasteurization.
4. Explain the method of cultivation in *Chlorella*.
5. Identify the distinguishing features of Cyanophyceae.
6. Describe the reproduction in *Anabaena*.
7. Describe any one type of media used for culturing algae.
8. Distinguish between algin and alginate.

Section C

Answer any **THREE** questions ($3 \times 10 = 30$ Marks)

9. Classify algae according to Fritsch 1945.
10. Prepare an essay to emphasize the phenomenon of alternation of generation in phaeophyceae.
11. Distinguish the internal and external structure of *Sargassum* and *Gracillaria*.
12. Prepare an essay to explain the various types of sterilization methods.
13. Evaluate the role of algae in industries.
