

Roll.No.

25UPBCT1001

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 PBPBT - END SEMESTER EXAMINATIONS - NOVEMBER 2025

SEMESTER - I

25UPBCT1001 - Phycology

Total Duration : 2 Hrs.30 Mins.

Total Marks : 60

Section B

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

1. Describe about different type of life cycles found in Algae.
2. Write Brief notes on a) Phaeophyceae b) Rhodophyceae
3. Describe about vegetative & asexual reproduction of Anabaena.
4. Brief notes on Nitrogen fixation and its advantages.
5. Describe about methods of vegetative reproduction in Algae.
6. Briefly describe the application of Sterilization of culture materials.
7. Describe the major characteristic for classification of Algae.
8. Write an essay on collection and economic importance of Agar-Agar.

Section C

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

9. Write brief notes on
 - a) Pigments in algae
 - b) A sexual reproduction of algae?
10. Give an illustrated account of the thallic structure and reproduction in Rhodophyceae.
11. Write brief notes on a) Ulva b) Sargassum
12. Give an account on a) Serial dilution; b) Streaking method and its importance.
13. Write an essay about the
 - a) Algal biofertilizers;
 - b) Algin industry and its economic importance.
