

**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. END SEMESTER EXAMINATIONS APRIL-2022

SEMESTER - I

16UPBCT1A01 & UPB/CT/1A01 - Phycology and Algal Biotechnology

Total Duration : 3 Hrs.

Total Marks : 60

Section A

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

1. Give the general characters of Algae.
2. Write the general features of Rhodophyceae.
3. Bring out the lifecycle in Anabaena .
4. Give the Wet heat laboratory sterilization method.
5. Write briefly on Algal biofertilizers.
6. Draw the structure of Gracillaria and Sargassum habits.
7. Write short notes on Algal pigmentation.
8. Discuss on inoculum and inoculation

Section B

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

9. Write the F.E. Fritsch classification of Algae.
10. Give the diagnostic characters of Cyanophyceae and Chlorophyceae.
11. Explain how Chlorophyceae algae reproduce .
12. Explain Isolation and culture of Algae.
13. write the economic importance of industrial Algae.
