

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 EXAMINATION APRIL/NOV - 2021
SEMESTER - I
20UPBCT1001 - Phycology

Total Duration : 3 Hrs	Total Marks : 75
MCQ : 30 Mins	MCQ : 15
Descriptive : 2 Hrs.30 Mins	Descriptive : 60

Section B

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

1. Describe the different types of asexual reproduction occurs in Algae.
2. Describe role of the principle and accessory pigments in red algae.
3. Describe the morphology of *Sargassum* with suitable diagrams.
4. Write a short note on different conditions used for algal culture.
5. Write the biochemical composition and uses of SCP.
6. Enumerate the different types of reserve food materials occurs in algae
7. Describe the structure *Gracilaria* cystocarp with suitable diagram.
8. Enumerate the uses of Agar-agar.

Section C

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

9. Write the general characters of Algae with suitable examples.
10. Describe the thallus organization in Phaeophyceae with suitable examples.
11. Describe the haplodiplontic life cycle with suitable examples.
12. Describe the extraction procedure and uses of alginate.
13. Describe the various types of algal media and its preparation methods.