

COURSE-II: PHYCOLOGY AND BRYOLOGY (BSCBO-102)

UNIT SCHEDULE

BLOCK-1- ALGAE: GENERAL ACCOUNT

Unit-1-General Characters and Life cycles in Algae

Unit-2-Important Classifications of Algae (Any three)

Unit-3-Range of Vegetative structure

Unit-4-Ecological and Economic importance of Algae

BLOCK-2- ALGAE: MAJOR GROUPS

Unit-5-Occurrence, Structure of thallus and Mode of reproduction in Cyanophyta and Bacillariophyta

Cyanophyta- *Oscillatoria*, *Nostoc*, Bacillariophyta- General Account

Unit-6-Occurrence, Structure of thallus and Mode of reproduction in Chlorophyta and Xanthophyta

Chlorophyta – *Chlamydomonas*, *Volvox*, *Oedogonium*, , and Xanthophyta- *Vaucheria*,

Unit-7-Occurrence, Structure of thallus and Mode of reproduction in Phaeophyta
Ectocarpus, *Sargassum*

Unit-8-Occurrence, Structure of thallus and Mode of reproduction in Rhodophyta
Polysiphonia, *Batracospermum*

BLOCK-3- BRYOPHYTES

Unit-9-Habit, Distribution, Economic importance and Classification (In Bryophytes) in accordance with the International Code of Botanical Nomenclature.

Unit-10-Classification, Structure and Reproduction in Hepaticopsida -*Riccia* and *Marchantia*

Unit-11-Classification, Structure and Reproduction in Anthocerotopsida - *Anthoceros* and *Notothylus*

Unit-12-Classification, Structure and Reproduction in Bryopsida - *Funaria* and *Polytricum*