

PROGRAMME: MASTER OF SCIENCE BOTANY (MSCBOT-21)

Year/ Semester: Ist semester

Course Code: MSCBOT-502

COURSE NAME- ALGAE AND BRYOPHYTES

UNIT SCHEDULE

BLOCK-1-BASICS OF ALGAE

Unit-1-Habitat, Thallus organization; Cell ultrastructure, Reproduction

Unit-2-Classification

Unit-3-Fossil Algae, Basic concept of Cyanophage, Economic importance

BLOCK-2-ALGAE: SALIENT FEATURES AND LIFE CYCLE

Unit-4-Cyanophyta, Bacillariophyta and Charophyta

Unit-5-Chlorophyta and Xanthophyta

Unit-6-Phaeophyta and Rhodophyta

BLOCK-3- BRYOPHYTES

Unit-7- General Characteristics, Distribution, reproduction, Life cycle, Economic and Ecological importance

Unit-8- Modern systems of Classification

Unit-9-Sphaerocarpaceae, Marchantiales, Jungermanniales, Metzgeriales and Calobryales

Unit-10-Anthocerotales, Sphagnales, Eubryales, Andreales and Takakiales