

CC – I - ALGAE & BRYOPHYTES

Theory:-

Unit I

Algae - General characteristics of the various divisions of algae (F.E. Fritsch) Habit and habitats of Freshwater, Marine and Soil algae. Economic Importance(Human relevance) of algae.

Unit II

Vegetative forms, size, cell structure, pigmentation, food reserves, methods of reproduction of the following genera mentioned in the following units:- Oscillatoria, Chlamydomonas, Volvox, Chlorella, Cladophora, Oedogonium, Cosmarium, Caulerpa & Diatoms.

Unit III

Vaucheria, Ectocarpus, Dictyota, Polysiphonia & Gracilaria.

Unit IV

Bryophytes:- General Characteristics, Classification, Morphology, Structure, reproduction of the main classes of Bryophytes.

Unit V

A detailed study of the following genera:- Riccia, Porella, Anthoceros & Polytrichum.

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