

Course Outcome

B.Sc. Botany (Generic/DSC), 1st to 6th Semesters

Department of Botany

Kokrajhar Govt. College

Kokrajhar-783370, BTR

SEMESTER-I

Credit-6 (Theory-4, Practical-2)

1.1 BOT-103HR (GE-1/DSC)

Biodiversity (Microbes, Algae, Fungi and Archegoniate)

Objective of this paper is to increase the theoretical and practical knowledge on the following topics of plant science.

- a. Microbes-Virus, Bacteria
- b. Algae
- c. Fungi
- d. Introduction to Archegoniate
- e. Bryophytes
- f. Pteridophytes
- g. Gymnosperms

SEMESTER-II

Credit-6 (Theory-4, Practical-2)

2.1 BOT-203HR (GE-2/DSC)

Plant Ecology and Taxonomy

Objective of this paper is to increase the theoretical and practical knowledge on the following topics of plant science.

- a. Introduction-Introduction of Ecology and Taxonomy (2 lectures)
- b. Ecological factors

- c. Plant communities
- d. Ecosystem
- e. Phytogeography
- f. Introduction to plant taxonomy
- a. Taxonomic evidences from palynology, cytology, phytochemistry and molecular data
- g. Botanical nomenclature
- h. Biometrics, numerical taxonomy and cladistics

SEMESTER-III

Credit-6 (Theory- 4, Practical-2)

3.1 BOT-305H (GE-3/DSC)

Plant Anatomy and Embryology

Objective of this paper is to increase the theoretical and practical knowledge on the following topics of plant science.

- a. Meristematic and permanent tissues
- b. Organs ,Secondary growth, Adaptive and protective systems
- c. Structural organization of flower
- d. Pollination and fertilization
- e. Embryo and endosperm
- f. Apomixis and polyembryony

SEMESTER-IV

Credit-6 (Theory- 4, Practical-2)

4.1 BOT- 405H (GE-4/DSC) Plant Physiology and Metabolism

Objective of this paper is to increase the theoretical and practical knowledge on the following topics of plant science.

- a. Plant-water relations

- b. Mineral nutrition
- c. Translocation in phloem.
- d. Photosynthesis
- e. Respiration
- f. Enzymes
- g. Nitrogen metabolism
- h. Plant growth regulators
- i. Plant response to light and temperature

Submitted by



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