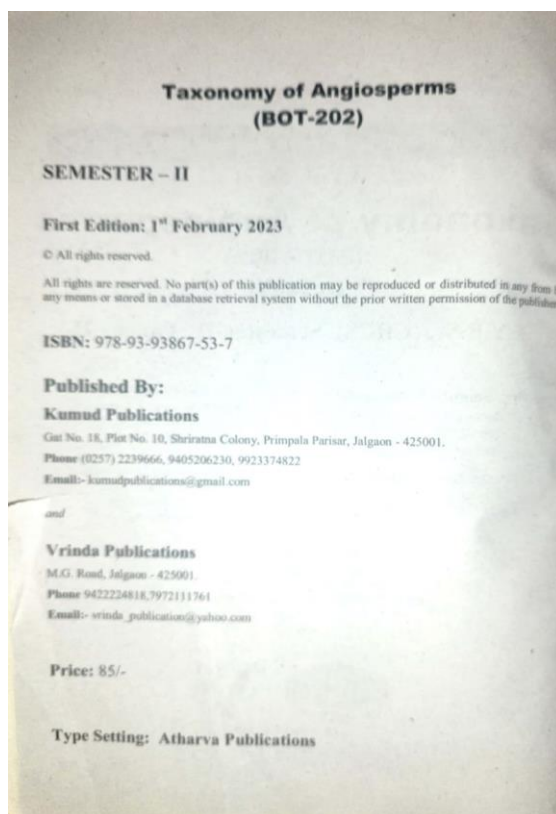
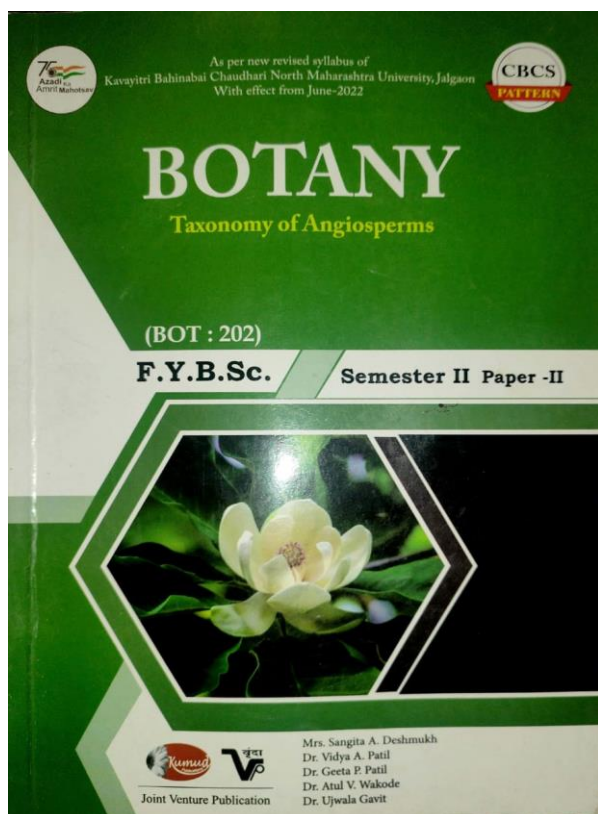


Dr. Geeta Patil



Paper II Bot-202: Taxonomy of Angiosperms		Lecture 30
Aims and objectives: <ol style="list-style-type: none"> To study the diversity of angiosperms. To study of comparative account among the families of angiosperm. To study the economic importance of the Angiospermic plants. To study the distinguishing features medicinal and economic importance of angiosperm families. To study botanical garden and herbarium techniques. 		
Course outcomes: <ol style="list-style-type: none"> Understanding of Angiospermic plants Causes of phenominal succession and alternation of generation. Understand the systems of classification of angiosperms, nomenclature and interdisciplinary approaches. Provide lab-based training in writing short species descriptions and illustration. Recognise members of the major angiosperm families by identifying their diagnostic features, economic and medicinal importance. Understand botanical gardens and herbarium technique 		
Unit 1	Introduction 1:1 Definition, scope and importance of taxonomy. 1:2 General characters of Angiosperms. 1:3 Causes of phenomenon succession of Angiosperms. 1:4 Alternation of generations. 1:5 Taxonomy and systematics: synonyms.	06 L
Unit 2	Taxonomic hierarchy 2:1 Functions of Taxonomy: identification, classification and nomenclature. 2:2 Ranks of classification: major categories. 2:3 Binomial nomenclature. 2:4 Author citation and rejection of name. 2:5 Numerical Taxonomy; definition and applications.	06 L
Unit 3	Classification 3:1 Types of classification a) Artificial b) Natural c) Phylogenetic 3:2 Outline of Bentham and Hooker's system of classification up to series. 3:3 Merits and demerits.	06L

Unit 4	Study of plants families w.r.t. systematic position, general characters, distinguishing characters and economic importance. a) Malvaceae b) Papilionaceae (Fabaceae). c) Rubiaceae d) Solanaceae e) Euphorbiaceae f) Cannaceae	06 L
Unit 5	Botanical Gardens and Herbarium. 5:1) Botanical garden. a) Definition and Functions b) Special feature of following Botanical Garden. i) Indian Botanical Garden, Kolkata ii) Royal Botanical Garden, Kew England.5:2) Herbarium. a) Definition, techniques and functions. b) Importance of herbaria.	06L

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