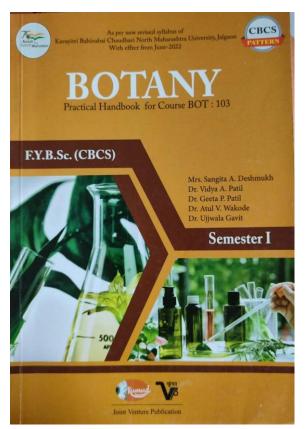
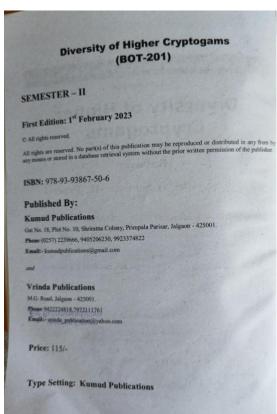
Dr.Geeta Patil





Practical Name of practical	ractical
Ne Study of Equipment, Chemicals and Stains used in Botany laboratory: A) Equipment: Dissecting microscope, Compound Microscope B) Chemicals: i) Preservatives: FAA, ii) Stains: Safanio, Lightgreen, Fastgreer Cenobluc, Crystal violet, iii) Mounting media; Glycerin, Lactophenol.	
A) Study of viruses and Bacteria using Electron Photomicrographs (TMV, Bacteriophage, Cocci, Bacillus, Spirillum Bacteria) Debelogue of Gram staining of Bacteria.	2
A) Study of Plant diseases w.r.l. causal organism, symptoms and contromessures of the Following: a. Virus i. Yellow vein mosaic disease of Lady's finger, ii. Bunchy top of Banana, b. Bacteria i. Citrus canker, ii. Black arm of cotton, c. Fungi i. Gree mould of citrus fruits, ii. Wheat rust (Specimen/ Slide)	3
B) Study of growth forms of lichens (Crustose, Foliose and Fruticose) C) Study of Mycorrhiza: (Ectomycorrhiza and Endomycorrhiza) by Photographs.	4
 Study of systematic position, vegetative and reproductive structures of the following: A. Nostoc - i) Vegetative structure-Filament and cell, ii) Reproductive structure (P.S.), B. Sargassum - i) Vegetative structure, ii) T.S. of main axis, ii Reproductive structure male and female conceptate(e) (P.S.) 	5
6 Study of systematic position, vegetative and reproductive structures of the following: C. Aspergillus - i) Structure of thallus: mycelium, ii)Reproductive structur assexual (Conidiophore and Conidio) D. Agaricus - i) Structure of basidiocarps, Reproductive structure: basidia and basidospores (V.S. of Gill)	
7 Study of morphology of root and stem modifications as per theory.	
Study of Leaf: a) Parts of leaf, b)Types of stipules, c) Types of leaf, d) Types of phyllotaxy, e) Types of venation, f) Modifications of leaf as ner theory.	1
9 Study of types of inflorescence as per theory	
Stady of Flower - a) Calyx-types of calyx as per theory, b) Corolla -forms corolla as per theory, c) Types of sectionics	
a) Andrugeium -Cohesion and Adhesion, b) Gynoecium-types of placentation	
12 Study of types of fruits as per theory. Submission: I.Excursion tour report	
Note: Short or long excursion tour and visit to any botanical garden are compulse	- A1