

Course of structure.

MJC-5 - Practical - paper - Morphology and Anatomy -

practical :- 1. Study of anatomical details through permanent slides/temporary stain mounts/ photographs.

2. Distribution and types of parenchyma, collenchyma and sclerenchyma through permanent slides/ temporary stain mounts/ photographs.

3. Study of anomalous secondary growth in Pinus, Equisetum, Boerhaavia, and Dracaena through temporary preparations and permanent slides.

4. Study of morphological and anatomical adaptations in hydrophytes and xerophytes through specimens and temporary slide preparation.

MJC-6 - Theory paper - Economic Botany -

Units - 1. - Botanical characteristics, cultivation and uses of Cereals (Wheat, Maize and Rice) Legumes (Green, Garden pea) oils and fats (Mustard and Groundnut) yielding plants.

2. Botanical characteristics, cultivation and uses of spices (Coriander, chilli and Turmeric) Fruits and vegetables (Mango, Litchi, Cauliflower, Brinjal)

3. Botanical characteristics, cultivation, processing and uses of Beverages (Tea and Coffee), Narcotics, Timber and fiber yielding plants (Sisal, Teak, Cotton, Jute) Rubber and Gum yielding plants.

4. Botanical characteristics, cultivation and uses of ten (10) medicinal plants of Bihar, sugar (Sugarcane) and starch (potato) yielding plants.