



**B.Sc. Botany (Semester II) (CBCS)**  
**BOT: OET. PLANTS AND HUMAN WEALTH**

**4 credits, 100 marks**

**Unit I**

**14hrs**

Introduction to Botany & its scope, Plants classifications, Binomial nomenclature, species concept, Difference between dicot & monocot. Morphology of Angiosperms. Herbarium techniques, Botanical gardens, Botanical Survey of India and its functions & Important herbaria of India.

**Unit II**

**14hrs**

Study of economic important of plants; Food: - Cereals, Millets & Pulses: Jower, Ragi, Wheat, Rice, Black gram & Bengal gram. Oils & Fats: Ground nut, Coconut & Safflower, Beverages : Tea, Coffee, Textile Fibres : Cotton & Coir, Spices: Clove, Pepper, Cardamum, Timber: Teak & Rosewood, Narcotic plants: Tobacco and opium.

**Unit III**

**14hrs**

Forestry: Afforestation, Deforestation, silviculture Agro-forestry, Social forestry, Forest management. Wood science, timber yielding plants

**Unit IV**

**14 hrs**

Medicinal plants introduction, classification, Scope of medicinal plants, medicine values of Algae, Fungi, Lichens, Bryophytes, Pteridophytes, Angiosperms and Gymnosperms. Pharmacology, Difference between natural and synthetic medicine

**BOS Members**