

**B.Sc. III Year  
Semester-V  
Economic Botany**

**GE-1E (2 hrs/week) Credits-2**

**Generic Elective-I**

**30 hours**

**Theory Syllabus**

**Unit-I:**

- 1. Cultivated Plants:** Concept of origin, their importance.
- 2. Vegetables:** Nutritional and Commercial values of Root crops, leafy and fruit vegetables.
- 3. Cereals:** Rice, Wheat and maize -Origin, morphology and uses
- 4. Pulses:** General account with special reference to Gram and soybean
- 5. Millets:** Nutrient significance of Sorghum, Finger millet, Pearl millet, Foxtail millet.

**U nit-2:**

- 6. Spices:** General account with special reference to clove and black pepper.
- 7. Fruits and nuts:** Commercial and nutritional value of South Indian fruits. Cashew nut, Almond and Walnut.
- 8. Beverages:** Tea & Coffee - morphology, processing, uses.
- 9. Oils and Fats:** General description with special reference to groundnut and sunflower
- 10. Fiber Yielding Plants:** General description with special reference to Cotton (Botanical name, family, part used, morphology and uses)

**Suggested Readings**

1. Kochhar, S.L. (2011). Economic Botany in the Tropics, MacMillan Publishers India Ltd., New Delhi. 4th edition.
2. B.P. Pandey (2007). Economic Botany, S. Chand & Company Ltd. New Delhi. 17/e.