

**2022**  
**B.A./B.Sc.**  
**Third Semester**  
CORE – 6  
**BOTANY**  
*Course Code: BOC 3.21*  
(Economic Botany)

*Total Mark: 70*

*Pass Mark: 28*

*Time: 3 hours*

*Answer five questions, taking one from each unit.*

**UNIT-I**

1. Give an account on the processing of sugarcane. Write a note on the products and by-products of sugarcane industry. 8+6=14
2. Write notes on the following: 7×2=14
  - (a) Importance of germplasm diversity
  - (b) Crop domestication and loss of genetic diversity

**UNIT-II**

3. List five important spices giving their botanical names, common names, family and uses. Give a brief account of millets. 8+6=14
4. Write notes on the following: 7×2=14
  - (a) Processing of coffee
  - (b) Morphology and uses of pigeon pea

**UNIT-III**

5. Differentiate between jhum cultivation and terrace cultivation. Write a note on land use pattern and its importance to ecosystem. 6+8=14
6. Write notes on the following: 7×2=14
  - (a) Agro-ecosystem in Nagaland
  - (b) Cropping system in Nagaland

#### UNIT-IV

7. Give a general account of essential oils. Describe the extraction of oil from coconut. 7+7=14
8. Explain tapping and processing of rubber. 14

#### UNIT-V

9. Describe the morphology, extraction and uses of jute. Explain in brief the therapeutic uses of *Cinchona*. 10+4=14
10. Write short notes on the following: 7×2=14
- (a) Habit-forming drugs
  - (b) Timber-yielding plants
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