

**A-042**

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## **MSCBOT-603**

**M.Sc. Botany (MSCBOT)**

### **PLANT RESOURCE UTILIZATION AND CONSERVATION**

3rd Semester Examination June, 2024

Time : 2:00 Hrs.

Max. Marks : 70

**Note :-** This paper is of Seventy (70) marks divided into Two (02) Sections 'A' and 'B'. Attempt the questions contained in these Sections according to the detailed instructions given therein. *Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.*

#### **Section-A**

**(Long Answer Type Questions) 2×19=38**

**Note :-** Section 'A' contains Five (05) Long-answer type questions of Nineteen (19) marks each. Learners are required to answer any *two* (02) questions only.

1. Describe in detail any five fruits and nuts yielding plants, with their systematic classification and economic importance.
2. Give an account of timber and non-timber yielding plants.
3. Name three cereal plants, giving their botanical name, families and economic importance.
4. Write an essay on biodiversity conservation.
5. What is species and condiments ? Describe any four spice yielding plant with their economic importance.

### **Section–B**

**(Short Answer Type Questions)**      4×8=32

**Note** :- Section 'B' contains Eight (08) Short-answer type questions of Eight (08) marks each. Learners are required to answer any *four* (04) questions only.

1. Write a short note on any two important fibre yielding plants.

2. Write short notes on any *two* of the following :
  - (a) Beverages
  - (b) Conservation
  - (c) Energy crops
3. How would you distinguish of the following pairs :
  - (a) Cereals and Pseudo cereals
  - (b) Essential oil and Aromatic oil
4. Give the botanical name, family morphological nature of plants part, economic products and use of any *two* of the following :
  - (a) Coconut
  - (b) *Cannobis*
  - (c) Soyabean
  - (d) *Pinus*
5. What is ethno botany ? Describe in brief.
6. Write short notes on any *two* of the following :
  - (a) NBPGR
  - (b) Timber
  - (c) Cryopreservation

7. Describe the principles of IUCN.
8. Write short notes on the following :
  - (a) BSJ
  - (b) Ex-situ conservation
  - (c) Medicinal and Aromatic plants

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