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## **MSCBOT-603**

### **Plant Resource Utilization and Conservation**

M.Sc. Botany (MSCBOT)–21

3rd Semester Examination, 2023 (June)

**Time : 2 Hours]**

**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 answer to the questions on the given answer sheet. No additional (B) answer sheet will be issued.

### **SECTION–A**

#### **(Long Answer Type Questions)**

**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.

(2×19=38)

1. What do you understand by the Vavilov's centres of origin? Discuss the merits and demerits of Plant introduction.

2. Write what you know of the source and economic importance of cereals.
3. Describe the five medicinal plants with botanical name, family and which parts is use as a medicine.
4. Write an essay in timber or non timber plant with suitable examples.
5. Write shorts notes on any *two* of the following :
  - (a) Spices.
  - (b) Nuts.

**SECTION-B**  
**(Short Answer Type Questions)**

**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. (4×8=32)

1. Give botanical names of three important fibre yielding plants of India.
2. Write short notes on any *two* of the following :
  - (a) Potato.
  - (b) Sugarcane.
  - (c) Jute.

3. How would you distinguish anyone of the following pairs :
    - (a) Cereals and Millets.
    - (b) Fiber and Fodder.
  
  4. Give the botanical name, morphological nature of plants part yielding economic products and use of any two of the following :
    - (a) Cotton.
    - (b) Garlic.
    - (c) Mint.
    - (d) Mustard Oil.
  
  5. Describe the strategies of biodiversity conservation.
  
  6. Write short notes any *two* of the following :
    - (a) Protected areas in india.
    - (b) Coral reefs.
    - (c) Biosphere reserves.
  
  7. Describe the principle of biodiversity conservation.
  
  8. What is *ex-situ* conservation ? Why it is useful for biodiversity consevation ?
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