

A-0020

Total Pages : 4

Roll No.

MSCBOT-603

M.Sc. BOTANY (MSCBOT)

(Plant Resource Utilization and Conservation)

3rd Semester Examination, Session December 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* medicine yielding plants with their systematic classification and economic importance.
2. Describe the principles of Conservation of plant Biodiversity.
3. Describe any three Nuts, giving their botanical names, families and economic importance.
4. What is fibre ? Describe any *four* fibre yielding plants with botanical name and family.
5. What is ex-situ conservation ? Describe the strategies for in-situ conservation.

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 notes on any *two* important timber yielding plants.
2. Write shorts notes on any *two* of the following :
(a) *Withania somnifera*

- (b) NBPGR
 - (c) Gene banks
3. How would you distinguish between the following pairs :
- (a) Protected areas and Biosphere reserve
 - (b) Essential oil and Edible oil
4. Give the botanical names, family, morphological nature of plants part, economic products and use of any *two* of the following :
- (a) Sun Hemp
 - (b) Indian gooseberry (Amla)
 - (c) Opium
 - (d) Tea
5. What are beverages ? Describe any three beverages.
6. Write short notes on any *two* of the following :
- (a) Fodder
 - (b) Red Data Book
 - (c) Wild Life conservation

7. Write a note of any *two* important Sugar yielding plants.
8. Write short notes on *two* of the following :
- (a) Biosphere reserve
 - (b) Spices and condiments
 - (c) Fibre crops
