

M.Sc. BOTANY
FOURTH SEMESTER
UTILIZATION AND CONSERVATION OF
MEDICINAL PLANTS
MSB-405 [CCEC]

SET
B

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 1hr. 30 mins.

Full Marks: 35

(Objective)

Time: 15 mins.

Marks: 10

Choose the correct answer from the following:

1 × 10 = 10

- It is the method of conserving all the living species, especially the wild and endangered species in their natural habitats and environment.
 - Ex-situ conservation
 - In-situ conservation
 - Diversity of species
 - IUCN
- The following is not a method of Ex-situ type of conservation:
 - Cryopreservation
 - DNA bank
 - Zoo
 - Ecosystem conservation
- The first reserve forest in India:
 - Kaziranga National Park
 - Jim Corbett National Park
 - Satpura National Park
 - Sundarban
- Large areas of protected land for conservation of wildlife, plant and animal resources and traditional life of the tribals living in the area. May have one or more national parks or wildlife sanctuaries in it.
 - Buffer zone
 - Biosphere reserve
 - Core area
 - Transition area
- Which is the nodal agency for all the activities introduction, collection, conservation, documentation, evaluation and distribution of plant genetic resources (PGR) in the country?
 - ICAR-NBPGR
 - CSIR-CIMAP
 - Regional Research Laboratory (RRL) Jammu
 - KSCSTE - JNTBGRI
- Name the family of Ginger plant.
 - Moraceae
 - Theaceae
 - Verbenaceae
 - Zingiberaceae
- The common name of *Bacopamonnieri* is:
 - Neem
 - Tulsi
 - Tea
 - Brahmi
- Name the medicinally important part of Turmeric.
 - Bulb
 - Corm
 - Rhizome
 - Offset

9. "Citronellol" is an essential oil constituent of:
- a. Lemon grass
 - b. Rose
 - c. Jasmine
 - d. Tulsi
10. Botanical name of Basil is:
- a. *Ocimum sanctum*
 - b. *Mentha arvensis*
 - c. *Zingiber officinalis*
 - d. *Vetiveriazizanioides*
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(Descriptive)

Time : 1 hr. 15 mins.

Marks : 25

[Answer question no.1 & any two (2) from the rest]

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| 1. Write short notes on: (<i>any one</i>) | 5 |
| a) Ginger | |
| b) Basil | |
| 2. Name the scientific name, family and part used of Jasmine or Amla plant. Write its medicinal uses. | 6+4=10 |
| 3. What is Biodiversity conservation? Describe different types of In-situ conservation with special reference to Sacred grooves. | 2+8=10 |
| 4. Write a note on medicinal plants facing threat due to excessive and unsustainable collection, utilization, overexploitation or un-skilled harvesting. | 10 |
| 5. Write economic importances of Aloe vera and Bacopa. | 5+5=10 |

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