2025/06

SET A

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

[USE OMR FOR OBJECTIVE PART]

Duration: 1:30 hrs. **Full Marks: 35**

Objective

Time: 15 mins. **Marks: 10**

1×10=10

Choose the correct answer from the following:

1. Which of the following is not an ex-situ method of conservation?
   a. Botanical garden
   b. Seed bank
   c. National park
   d. Cryopreservation

2. Name the family of *Centella*plant
   a. Moraceae
   b. Theaceae
   c. Verbenaceae
   d. Apiaceae

3. The oldest National park in India is
   a. Jim Corbett National park
   b. Manas National park
   c. Sunderban National park
   d. Gir National park

4. The study of medicines from natural sources is called
   a. Ayurveda
   b. Homeopathy
   c. Pharmacognosy
   d. None of the above

5. The common name of *Bacopamonnieri* is
   a. Neem
   b. Tulsi
   c. Tea
   d. Brahmi

6. Which of the following is a critically endangered plant?
   a. *Aconitum heterphyllum*
   b. *Citrulluslanatus*
   c. *Artocarpusheterophyllus*
   d. All of the above

7. Name the medicinally important part of *Terminaliaarjuna* plant
   a. Bulb
   b. Corm
   c. Bark
   d. Offset

8. "Serpentine" is an essential oil constituent of
   a. Lemon grass
   b. *Rawolfiaserpentina*
   c. Jasmine
   d. Tulsi

9. Which of the following factor will not lead to species rarity?
   a. Habitat specificity
   b. Narrow distribution range
   c. Low species diversity
   d. Fast growth rate

10. Botanical name of Vasaka is
   a. *Adhatodavasica*
   b. *Menthaarvensis*
   c. *Zingiberofficinalis*
   d. *Vetiveriazizanioides*

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Descriptive

Time : 1 hr. 15 mins. **Marks: 25**

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

1. **Write short note on (Any one)** **5**
   (a) *Bacopa*
   (b) *Adhatoda*

2. **Write notes on:** **5+5=10**
   a. In-situ conservation of medicinal plants
   b. Traditional methods of conservation of medicinal plants

3. Describe in brief about classification and botanical description of *Rauvolfia* **or** *Boerhaavia*. Mention its medicinal uses. **2+5+3=10**

4. Name the scientific name, family and part used of Aloe **or** Kalmegh plant. Write its medicinal uses. **10**

5. **Write notes on:** **5+5=10**
   a. Factors related to species rarity of medicinal plants
   b. NMPB

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