

**A-0034**

**Total Pages : 3**

**Roll No. ....**

**MBOT-602**

**M.Sc. BOTANY (MSCBOT)**

**(Medicinal Plants)**

**3rd Semester Examination, Session December 2024**

**Time : 2:00 Hrs.**

**Max. Marks : 35**

*Note :- This paper is of Thirty Five (35) 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)      2×9½=19**

*Note :-* Section 'A' contains Five (05) Long-answer type questions of Nine and Half (9½) marks each. Learners are required to answer any *two* (02) questions only.

1. What is conservation ? Explain importance, demand and conservation of medicinal plants.
2. What are secondary metabolites ? Explain their role in establishment of alternative medicine.
3. Explain the origin, development of Ayurvedic and Siddha systems of medicine.
4. What is ethnobotany ? Give a detail account of concept, scope and importance of thnobotany.
5. Write short notes :
  - (a) AYUSH
  - (b) Chemodemes
  - (c) *Rauvolfia serpentina*
  - (d) Phytochemicals

### **Section–B**

**(Short Answer Type Questions)      4×4=16**

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

1. Give a brief note on morphology and active components of turmeric.

2. Write a brief note on the uses of *Terminalia chebula* and *Phyllanthus emblica*.
3. Explain the medicinal values of *Picrorhiza kurroa* and *Angelica glauca*.
4. Write a short note on the following :
  - (a) Field gene bank
  - (b) Ex-situ conservation
5. Write a short note on adulteration of plant drugs.
6. Describe the uses of *Ocimum* and *Aloe*.
7. Write a short note on the scope of pharmacognosy.
8. Explain the following : (any *two*) :
  - (a) National Parks and Sanctuaries.
  - (b) IUCN
  - (c) TEK and ITK
  - (d) CITES

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