

**A-1220**

Total Pages : 4

Roll No. ....

**MBOT-602**

**M.Sc. Botany (MSCBOT)**

**Medicinal Plants**

Examination February, 2026

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.

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( 1 )

P.T.O.

1. What are the traditional systems of medicine in India ? Explain the origin and development of any two systems of medicine.
2. What is phytochemicals ? Describe its role in modern medicine with suitable examples.
3. What do you understand by ethnobotany ? Give a detailed account on its interdisciplinary approaches and scope.
4. Describe the morphology, active principles and medicinal value of Ashwagandha and Sarpagandha.
5. What is adulteration of plant drugs ? Discuss about the types and detection of adulteration and drug evaluation.

### **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. Describe in brief the cultivation methods of *Coleus forskohlii*.
2. What is conservation ? Why we need to conserve the medicinal plants ?
3. Write short notes on the following :
  - (a) National Parks
  - (b) Ethnomedicine
  - (c) AYUSH
  - (d) Sanctuaries
4. Explain the medicinal values of *Phyllanthus emblica* and *Curcuma longa*.
5. Give a brief note on the practical applications of ethnobotanical data.
6. Explain the following (any two) :
  - (a) Pharmacogonosy
  - (b) Importance of Ethnobotany
  - (c) *Ex-situ* conservation

7. Explain about In-situ conservation of medicinal plants.
8. Give brief notes any two on the following :
  - (a) Field Gene Bank (FGB)
  - (b) Cryopreservation
  - (c) Primary and secondary metabolites of plants

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