

A-866

Total Pages : 3

Roll No. -----

MBOT-602

Medicinal Plants

M.Sc. Botany (MSCBOT)

3rd Semester Examination 2024 (June)

Time: 2:00 hrs

Max. Marks: 35

Note : This paper is of Thirty Five (35) marks divided into Two (02) Section A and B. Attempt the questions contained in these sections according to the detailed given therein. Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.

P.T.O.

A-866/MBOT-602

1

Section-A (Long-Answer-Type Questions)

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.

[2x9½=19]

- Q.1. What are the Indian Systems of Medicines (ISM)? Describe the Siddha systems of medicine and how it differs from that of Ayurveda.
- Q.2. What do you understand by phytochemicals? Describe its role in modern medicine with appropriate examples.
- Q.3. Describe the morphology, active principles and medicinal value of Ashwagandha and Safed Musli.
- Q.4. What is Pharmacognosy? How it help in establishment of Phytomedicine.
- Q.5. What is ethanobotany? Give a detailed account on its interdisciplinary approaches and importance.

Section-B (Short-Answer-Type Questions)

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.

[4x4=16]

- Q.1. What is conservation? Write a short note on why we need to conserve the medicinal plants?
- Q.2. Explain the following (any two):
- Field Gene Bank of Medicinal Plants
 - In-situ conservation
 - Cryopreservation
- Q.3. Describe in brief the cultivation methods of *Coleus forskohlii*.
- Q.4. Write a short notes on the following:
- CITES
 - AYUSH
 - CBD
 - IUCN
- Q.5. Write a short note on practical applications of Ethnobotanical data.
- Q.6. Enumerate the rare and important medicinal plants of India with their botanical and local name.
- Q.7. Explain the following:
- Ex-situ conservation
 - IKS and ITK
- Q.8. What is adulteration of plant drugs? Discuss about the types of adulterants.
