

P-48

Total Pages : 3

Roll No.

MBOT-602

Medicinal Plants

M.Sc. Botany (MSCBOT)

3rd Semester Examination, 2023 (June)

Time : 2 Hours]

[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 answer to the questions on the given answer sheet. No additional (B) answer sheet will be issued.

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.
(2×9½=19)

1. Describe in detail the traditional systems of medicine in India.

2. Discuss on the role of phytochemicals in modern medicine.
3. Describe the morphology, active principles and medicinal value of Sarp Gandha.
4. Describe in detail the cultivation methods of *Coleus forskohlii*.
5. What is ethnobotany? Define its concept and scope.

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. (4×4=16)

1. Classify the crude drugs based on phytochemicals.
2. Write a short notes on the following:
 - (a) Chemical races.
 - (b) Ethnomedicine.
 - (c) Medicinal value of Safed Musli.
 - (d) CITES.

3. Explain the medicinal values of *Gymnema sylvestre*, *Phyllanthus emblica* and *Curcuma longa*.
 4. Write a short note on adulteration of plant drugs.
 5. Write a brief note on the practical applications of ethnobotanical data.
 6. Explain about Field Gene Bank (FGB) of medicinal plants.
 7. Explain the following :
 - (a) Sub-disciplines of ethnobotany.
 - (b) *In-situ* conservation.
 - (c) Crypreservation.
 8. Write a brief note on medicinal plant diversity and exploration.
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