

K-373

Total Pages : 3

Roll No.

MBOT-602

MEDICINAL PLANTS

M.Sc. Botany (MSCBOT)

3rd Semester Examination, 2023 (Dec.)

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 answers 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. What is ethnobotany? Give a detail account of concept, scope and importance of ethnobotany.
2. Describe morphology, phytochemical constituents and medicinal uses of *Rauwolfia serpentina* and *Asparagus racemosus*.
3. Write a brief note on general account of phytochemistry of medicinal plants.
4. What is conservation? Explain *Ex-situ* and *In-situ* conservation practices of medicinal plants and its significance.
5. Discuss the various traditional systems of medicine in India in detail.

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. What are secondary metabolites? Explain their role in establishment of alternative medicine.
2. Write note on Adulteration of plant drugs.

3. Describe phytochemical constituents and medicinal uses of Holy Basil.
 4. Write a short note on pharmacognosy.
 5. Describe the prospects and scope of cultivation of medicinal plants.
 6. Describe the active principles and medicinal value of *Angelica glauca*.
 7. Write a short note on the uses of *Terminalia chebula* and *Phyllanthus emblica*.
 8. Write short notes on the following :
 - (a) Phytochemicals.
 - (b) MoEFCC.
 - (c) *Picrorhiza kurroa*.
 - (d) IUCN.
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