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Total Pages : 3

Roll No.

MBOT-602

Medicinal Plants

M.Sc. Botany (MSCBOT)

3rd Semester Examination, 2022 (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.

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. Explain the origin, development of Ayurvedic and Siddha systems of medicine.

2. Discuss about the phytochemicals of plant origin.
3. Describe the morphology, active principles and medicinal value of Ashwagandha.
4. Give a detail account on detection of adulteration and drug evaluation.
5. What is conservation? Why we need to conserve the medicinal plants?

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. Discuss about the primary and secondary metabolites.
2. Write a short notes on the following :
 - (a) Chemodemes.
 - (b) AYUSH.
 - (c) Active principles of Safed Musli.
 - (d) IUCN.

3. Write a short notes on uses of Aloe and Kalmegh.
 4. Explain about the active principles of *Zingiber officinale*, *Phyllanthus amarus* and *Curcuma longa*.
 5. What is pharmacognosy? Define its scope.
 6. Write a short note on the importance of Ethnobotany.
 7. Explain the following : (any two)
 - (a) National Parks and Sanctuaries.
 - (b) *Ex-situ* conservation.
 - (c) TEK and ITK .
 8. Discuss about the types of adulterants.
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