



বিদ্যাসাগর বিশ্ববিদ্যালয়
VIDYASAGAR UNIVERSITY
Question Paper

B.Sc. Honours Examinations 2022

(Under CBCS Pattern)

Semester - IV

Subject : BOTANY

Paper : SEC 2-T

Full Marks : 40

Time : 2 Hours

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Medicinal Botany

A. Answer any **four** of the following questions : 5×4=20

1. Give examples of two botanical gardens. Name two common medicinal plants used in *Siddha* system mentioning their scientific name, parts used, and therapeutic uses. 2+3
2. Discuss the basics of *Siddha* system with reference to the three types of drugs used in this system.
3. Explain the *panchamahabhutas* in ayurvedic system. Explain polyherbal formulations. 3+2
4. Define nursery. What are the objectives of nursery? 2+3
5. Explain *Umoore-tabiya*.
6. Discuss on the concept of Ayurveda.

P.T.O.

B. Answer any *two* of the following questions :

10×2=20

1. Write down the differences between :

2×5

- (i) *Ex-situ* and *In-situ* conservation
- (ii) National Park and Biosphere reserve
- (iii) Cuttings and layering in plant propagation
- (iv) Endangered and Endemic medicinal plants
- (v) Siddha and Ayurvedic System of medicine

2. Write short notes on :

2½×4

- (i) Red list criteria
- (ii) Palaeo-ethnobotany
- (iii) Ethnic communities of India
- (iv) Sacred groves

3. Why Ayurvedic medicines are important? Name two Ayurvedic texts. Write notes on *saptadhatu* of Ayurvedic medicine.

2+2+6

4. Define ethnobotany and write its importance. Briefly explain the methods to study ethnobotany. Give the scientific names of plants used to treat jaundice and diabetes.

(2+2)+4+2

Or,
Paper - SEC 2-T
Mushroom Culture Technology

Full Marks : 40

Time : 2 Hours

Group-A

A. Answer any **four** of the following questions :

5×4=20

1. How can you identify between poisonous and edible mushroom?
2. Describe the methods for spawn preparation.
3. Write different types of food prepared from mushroom.
4. Describe the characters of mushroom cultivation room.
5. Give a cost benefit from mushroom farming.
6. Mention the names of some national and regional level mushroom cultivation research centres.

Group-B

B. Answer any **two** of the following questions :

10×2=20

1. Describe the different preservation techniques of mushroom.
 2. Write on nutritional and medicinal values of edible mushroom.
 3. (a) Write the steps of mushroom bed preparation. 5
b) Describe different factors affecting mushroom bed preparation. 5
 4. Discuss the preparation of compost for mushroom cultivation.
-