



বিদ্যাসাগর বিশ্ববিদ্যালয়

VIDYASAGAR UNIVERSITY

B.Sc. Honours Examination 2021

(CBCS)

4th Semester

BOTANY

PAPER—SEC2T

Full Marks : 40

Time : 2 Hours

The figures in the right-hand margin indicate full marks.

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

THEORY : SEC2T MEDICINAL BOTANY

Group – A

Answer any *two* questions.

2×15

1. Define medicinal plants. Give an idea of panchamahabhutas. What is Rasayana? Give scientific names of 5 medicinal plants used in Ayurveda with their families. Define siddha medicine. 2+4+2+5+2
2. What do you mean by *Unani* system of medicine? Write a note on *Umoor-e-tabiya*. What are the methods employed in tumour therapy? Differentiate mono-herbal from poly-herbal formulations. 2+6+3+4

3. Define endangered and endemic plants. Name 2 endangered medicinal plants. Define Red list criteria. Write in brief the zonation of Biosphere reserve. Give examples of two *ex-situ* conservation. Give the role of botanic garden. (2+2)+2+2+3+2+2
4. What is ethno-botany? Name 2 ethno-botanists from India or and abroad. Define folk medicine. Name two ethnic communities in West Bengal. Differentiate ethno-botany from economic botany. Give a note on applications of ethno-botany with examples. 2+2+2+2+2+5

Group – B

Answer any *one* question. 1×10

5. Write note on: (Answer any *four* of the following) 4×2.5
- (i) Saptadasha and tridosha concept
 - (ii) In-situ conservation of medicinal plants
 - (iii) Endemism on medicinal plants
 - (iv) Types of nurseries with examples.
 - (v) Folk medicine versus Ayurvedic medicine.
6. What are the methods for propagating medicinal plants? Name four important medicinal plants as per your choice used in modern day's application. Distinguish cuttings from layering. What do you mean by sacred grove? Give two examples. 2+4+2+2

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THEORY : SEC2T MUSHROOM CULTURE TECHNOLOGY

Group – A

Answer any *two* questions. 2×15

1. (a) Write the steps of mushroom bed preparation.
 (b) Describe different factors affecting this preparation.
 (c) What do you mean by thatched house? 7+6+2
2. (a) Write on nutritional and medicinal values of edible mushroom.
 (b) How can you differentiate between poisonous and edible mushroom?
 (c) Write the procedure for preparation of mushroom spawn. 6+3+6
3. (a) Write different storage techniques of mushroom.
 (b) Mention the Scientific name of any three edible mushrooms available in India. 9+6
4. (a) Write different types of food prepared from mushroom.
 (b) Draw and describe morphology of any edible mushroom. 8+7

Group – B

Answer any *one* question. 1×10

5. (a) Write name of two each national and regional level mushroom cultivation research centre.
 (b) Discuss the methods for compost preparation. 4+6
6. (a) What is mushroom farming?
 (b) Give a cost benefit from mushroom farming. 3+7

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