

SEMESTER END EXAMINATION, JANUARY 2022

Semester: III B.Sc. Course: BOTANY SEC - BOS101 (Floriculture)

Total Marks: 60 Date: Duration: 2 Hours Total No. of Pages: 01

- Instructions:**
1. All questions are compulsory; however internal choice is available.
 2. Figures to the right indicate full marks.
 3. Draw appropriate diagrams wherever necessary.

Q. I. Answer any five of the following: (2 x 5 = 10)

1. Give the botanical name of any flowering plant ideally used for making garlands.
2. Give the method of propagation of the oldest flower used in perfume industry.
3. How is *Gladiolus* propagated? Name the family to which it belongs.
4. Name any two plants used as 'fillers' in flower arrangement.
5. Differentiate between western style and eastern style of flower arrangement.
6. What is meant by line-mass arrangement of flowers?
7. What is a topiary?

Q. II. Answer any five of the following: (2 x 5 = 10)

1. Name any two botanical gardens established by the British.
2. What is the purpose of defoliation?
3. Differentiate between fertilizers and manures.
4. What are floral preservatives?
5. List some common symptoms of fungal diseases in plants.
6. Mention the use of secateur and garden rake.
7. Name any four Indian states involved in cut flower production.

Q. III. A. Discuss the scope of floriculture with respect to conservation and domestication. (5)

OR

- A. Explain the methods of propagation and cultivation of palms. (5)
- B. Explain the methods of propagation of cacti. (5)

Q. IV. A. Explain the use of abscisic acid in floriculture. (5)

OR

- A. Explain the preparation of a flat floral bouquet. (5)
- B. Describe the different types of vertical gardens. Add a note on advantages of vertical gardens. (5)

Q. V. A. Describe any two methods of nursery bed preparation. (5)

OR

- A. 'A farmer was advised to use mulch for his field to increase productivity'. Justify. (5)
- B. Give an account of floriculture in India. (5)

Q. VI. A. Describe any two techniques for dehydration of flowers. (5)

OR

- A. Elaborate on any two factors affecting commercial flower production. (5)
- B. Comment on the advantages of greenhouse in floriculture (5)