

Nuvem, Salceta, Goa.  
**CARMEL COLLEGE OF ARTS, SCIENCE & COMMERCE FOR WOMEN**  
**NUVEM - GOA**

**SEMESTER END EXAMINATION, NOVEMBER 2022**

Semester: **III B.Sc.**

Course: **BOTANY SEC - BOS101 (Floriculture)**

Total Marks: **60**

Date: **28/11/2022**

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 marks x 5 = 10)

1. Describe the two groups of marigold.
2. How is *Gerbera* propagated? Name the family to which it belongs.
3. Classify Orchids based on their style of vegetative growth.
4. Describe the propagation of ferns.
5. How is *Thuja* propagated? Mention its uses.
6. Describe the method of propagation of any 'water plant'.
7. How is *Asparagus* propagated? Name the family to which it belongs.

**Q. II. Answer any five of the following:**

(2 marks x 5 = 10)

1. Name any four major countries involved in exporting flowers.
2. What is meant by pricking of seedlings?
3. What are the advantages of using auxin in floriculture?
4. State any two advantages of a sunken nursery bed.
5. List any four insect pests affecting marigolds.
6. Mention the functions of a hedge shear and a garden rake.
7. Name any two schemes offered by the Indian government to support Floriculture.

**Q. III. A. Give an account on the history of gardening in India.**

(5)

**OR**

A. Explain the methods of propagation of Cacti.

(5)

B. Explain the factors affecting the growth *Anthuriums*.

(5)

**Q. IV. A. What are the advantages of using cytokinin in Floriculture?**

(5)

**OR**

A. Elaborate on the principles of flower arrangement.

(5)

B. Explain the preparation of a floral wreath.

(5)

**Q. V. A. Describe the various techniques of transplanting a sapling.**

(5)

**OR**

A. Describe any two methods of grafting.

(5)

B. Give an account of floriculture in India.

(5)

**Q. VI. A. Describe the different packaging methods of cut flowers.**

(5)

**OR**

A. Comment on the opportunities in floriculture with respect to the fragrance industry.

(5)

B. Describe the different types of greenhouses.

(5)