

Total No. of Questions : 9]  
(2034)

Roll No. ....

[Total No. of Printed Pages : 4

**UG (CBCS) IInd Year Annual Examination**

**2813**

**B.Sc. BOTANY**

**(Gardening and Floriculture)**

**(SEC-II)**

**Paper : BOTA 204**

**Time : 3 Hours]**

**[Maximum Marks : 70**

**Note** :- Attempt *five* questions in all. Question No. 1 of Section A is compulsory. Attempt at least *one* question from rest of the Sections-B, C, D and E.

**Section-A**

**(Compulsory Question)**

1. (i) Define mulching.
- (ii) What is a shrub ?
- (iii) What is pinching ?
- (iv) Write names of any *two* flowering herbaceous perennial plants suitable for Indian plains.
- (v) Write the botanical name of a tree planted for worship as well as for shade.

- (vi) Write names of any *two* hedge plants.
- (vii) Royal Botanical Garden of Kew is located in .....
- (viii) Rashtrapati Bhavan's Mughal Garden at Delhi, now renamed as .....
- (ix) A lawn can be defined as .....
- (x) Bird of paradise is a cut flower crop.  
(True/False)
- (xi) The main purpose of planting trees along roadside is to provide fruits. (True/False)
- (xii) Which of the following is not used for soil sterilization ?
- (a) Formalin
  - (b) Safranin
  - (c) Methyl bromide
  - (d) Bosamid
- (xiii) In grafting, stock is :
- (a) Stem of desired variety
  - (b) Part of rooted plant
  - (c) Bud of desired variety
  - (d) Part to be grafted



(xiv) Which of the following ornamental shrub has coloured bracts ?

- (a) *Bougainvillea*
- (b) *Euphorbia pulcherrima*
- (c) *Mussaenda*
- (d) All of these (a), (b) and (c)

1×14=14

### Section-B

- 2. (i) Define landscape gardening. Describe scope of landscape gardening.
- (ii) Define floriculture. Describe scope of floriculture. 7,7
- 3. Describe different routine garden operations required to be done to get a successful ornamental crop or a well managed landscape. 14

### Section-C

- 4. What do you mean by vegetative propagataion ? Describe it in detail. 14
- 5. (i) Describe British and Mughal styles of garden.
- (ii) Write in detail about any *two* famous gardens of India. 7,7

### Section-D

6. (i) Describe flowering annuals with suitable examples.

(ii) Describe ornamental shrubs with suitable examples.

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7. (i) Define a tree. What are the advantages of growing ornamental trees ? Briefly describe any *two* ornamental trees ? Briefly describe any *two* ornamental trees studied by you.

(ii) Write a detailed note on Palms and Cycads.

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### Section-E

8. (i) Write detailed notes on Carnation and Lilium.

(ii) Describe briefly various factors involved in plant growth and flower development of cut flower crops.

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9. (i) What is a vase life ? Describe various methods to improve the post harvest life and quality of cut flowers.

(ii) Write a detailed note on 'Flower Arrangements'.

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