



Reg. No. : .....

Name : .....

**Sixth Semester B.Sc. Degree Examination, April 2019**  
**First Degree Programme Under CBCSS**  
**BOTANY**  
**Core Course**  
**BO 1643 : Horticulture, Plant Breeding and Research Methodology**  
**(2014 Admission Onwards)**

Time : 3 Hours

Max. Marks : 80

- I. Answer the following (answer **all** questions) : **(10×1=10 Marks)**
- 1) What is meant by bibliography ?
  - 2) Name two plants used in lawn making.
  - 3) What is the need of control in an experiment ?
  - 4) How do a roof garden beneficial ?
  - 5) What is scion ?
  - 6) Define inbreeding depression.
  - 7) What is randomized block design ?
  - 8) What is inter generic hybridization ?
  - 9) Mention the use of lawn mower
  - 10) What is pomology ?
- II. Short Answer Questions (Answer **any eight** of the following) : **(8×2=16 Marks)**
- 11) What is meant by quantitative research ?
  - 12) Write down the merits of breeding techniques adopted in Rice crop.
  - 13) How is peat moss useful ?
  - 14) Mention the advantages of indoor gardening.
  - 15) Differentiate hedge from edge.
  - 16) What is the purpose of data analysis ?
  - 17) Write a note on topiary.



- 18) Mention any two advantages of scientific methodology.
- 19) What is emasculation ?
- 20) What is polyploidy breeding ?
- 21) Write an account on landscaping principles.
- 22) What is vermiculite ?

III. Short Essay Questions (Answer **any six** of the following) : **(6×4=24 Marks)**

- 23) What are biofertilizers ? Give Examples. Mention its advantages over chemical fertilizers.
- 24) Explain the procedure to be followed in plant introduction.
- 25) Describe the characteristic features of research.
- 26) Write an account on farmyard manure.
- 27) Describe the steps involved in the preparation of Bonsai.
- 28) What is review of literature ? What is its purpose ?
- 29) Explain the breeding techniques adopted in Coconut.
- 30) List out the major achievements of mutation breeding in India.
- 31) Discuss briefly the different irrigation methods

IV. Essay Type (Answer **any two** of following) : **(2×15=30 Marks)**

- 32) Differentiate Mass selection from Pure line selection.
  - 33) Write an essay on different types flower arrangements.
  - 34) Describe various types of vegetative propagation methods with suitable examples.
  - 35) Briefly describe the steps involved in the design of an experiment.
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