

**B.Sc. BOTANY  
SIXTH SEMESTER  
HORTICULTURAL PRACTICE AND POST-HARVEST  
TECHNOLOGY  
BSB-604**

**SET  
A**

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 3 hrs.

Full Marks: 70

( Objective )

Time: 30 mins.

Marks: 20

*Choose the correct answer from the following:*

$1 \times 20 = 20$

1. Florist operation includes:
  - a. Floral designer (creatively arranges flowers)
  - b. Store manager (manages and supervises the store of the farm)
  - c. Plant rental supervisor
  - d. All of the above
2. Select the flowering tree.
  - a. Indian labarum
  - b. Salvia
  - c. Cosmos
  - d. Opuntia
3. Ornamental plants are divided into how many groups according to their growth form?
  - a. 3
  - b. 2
  - c. 4
  - d. None of the above
4. Plants that live for three or more years flower for a short time:
  - a. Perennials
  - b. Annuals
  - c. Biennials
  - d. a and d
5. Which of the following is an example of a perennial plant?
  - a. Marigold
  - b. Tulip
  - c. Daffodil
  - d. Rose
6. Which of the following is NOT a method of propagation for plants?
  - a. Layering
  - b. Pruning
  - c. Seed sowing
  - d. Grafting
7. Vegetable rich in vitamin C is:
  - a. Tomato
  - b. Cabbage
  - c. Capsicum
  - d. Beet root
8. India is known as home of.....
  - a. Vegetables
  - b. Spices and Medicinal
  - c. Fruits
  - d. Flower
9. High Water Use Efficiency (WUE):
  - a. Flood irrigation
  - b. Sprinkler
  - c. Drip
  - d. All of the above
10. The famous Mughal garden known as Shalimar Bagh is located in:
  - a. Agra
  - b. Jaipur
  - c. Srinagar
  - d. Delhi

11. Landscaping is the art of:
  - a. Laying trees
  - b. Laying grounds
  - c. Laying Pots
  - d. Laying rocks
12. In air layering the propagule are detached from the parent only after development of:
  - a. Leaves
  - b. Roots
  - c. Branching
  - d. Buds
13. Which hormone is use for rooting in cuttings?
  - a. GA-3
  - b. Auxin
  - c. Cytokinin
  - d. Ethylene
14. Which of the following is a ripening hormone?
  - a. GA-3
  - b. Auxin
  - c. Cytokinin
  - d. Ethylene
15. Which irrigation is suitable for row crop?
  - a. Surface
  - b. Furrow
  - c. Flooding
  - d. All of these
16. Hydroponic is:
  - a. Soil less culture
  - b. Water culture
  - c. Soil culture
  - d. Water less culture
17. Which one is cut flower?
  - a. Cosmos
  - b. Petunia
  - c. Tube rose
  - d. Dalia
18. Olericulture deals with:
  - a. Fruits
  - b. Wine making
  - c. Vegetable
  - d. Cultivation practices
19. Pomology deals with:
  - a. Fruits
  - b. Wine making
  - c. Vegetable
  - d. Cultivation practices
20. Which one is a leguminous green manuring plant?
  - a. Oats
  - b. Sesbania
  - c. Buck wheat
  - d. Soybean

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**( Descriptive )**

Time : 2 hr. 30 mins.

Marks : 50

[ Answer question no.1 & any four (4) from the rest ]

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|---|----------|
| 1. What is gardening? Discuss the features of Mughal gardens.                             | 2+8=10   |
| 2. What is hydroponic? Write the different types of hydroponics system.                   | 2+8=10   |
| 3. Write the Botanical description and cultivation of:                                    | 5+5=10   |
| a) Rose or Fishtail   |          |
| b) Marigold or tuberose   |          |
| 4. What is horticulture? Write the importance of horticulture.                            | 2+8=10   |
| 5. What is plant growth regulators? Write the physiological role of auxin.                | 10       |
| 6. How cuttings and layering can be done in a asexual method of plant propagation?        | 5+5=10   |
| 7. What is post harvest technology? Write the importance of post harvest technology.      | 2+4+4=10 |
| 8. What is biofertilizer? Write in brief different type and application of biofertilizer. | 5+5=10   |

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