

**PART - III  
HORTICULTURE AND PLANT BREEDING**

**SECTION - A (10 X 1 = 10 MARKS)**

**ANSWER THE FOLLOWING QUESTIONS.**

**MULTIPLE CHOICE QUESTIONS.**

**(K1)**

1. Which is not coming under irrigation method?  
a) Basin Irrigation    b) Drip irrigation    c) Sprinkler irrigation    d) Hallow irrigation
2. Find out odd one from vegetables grows indoor garden.  
a) Micro greens    b) Basil    c) Spinach    d) Drumstick
3. Select the correct plantation crop from the following.  
a) Tea    b) Neem    c) Paddy    d) Vegetable
4. Which type of plant is suitable to grow by bonsai method?  
a) Mango    b) Banyan    c) Bamboo    d) All of them
5. Which pollination is suitable for producing hybrid plants?  
a) Self pollination    b) Cross pollination    c) Full pollination    d) Half pollination

**ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES (K2)**

6. List out any three major fertilizer.
7. Define topiary.
8. Write any five types of cultivated fruits.
9. What is known as flower arrangement?
10. What are the methods of plant breeding?

**SECTION – B (5 X 3 = 15 MARKS)**

**ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K3)**

11. a) List out any five points on scope of Horticulture.  
**(OR)**  
b) Describe about manures.
12. a) Write note on layout of kitchen garden.  
**(OR)**  
b) Elucidate on glass house.
13. a) Outline the growth regulators in horticulture.  
**(OR)**  
b) Write medicinal value of Sarpagantha. **(CONTD.....2)**

14. a) Enumerate on commercial horticulture.  
**(OR)**  
b) Define cut flower and explain it.

15. a) List out the objectives of plant breeding.  
**(OR)**  
b) What is called hybrid vigour and describe them.

**SECTION - C****(5X 5 = 25 MARKS)****ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K4 & K5)**

16. a) Explain the division of Horticulture.  
**(OR)**  
b) Compare grafting and layering in plant propagation method.

17. a) Describe the details of types of garden  
**(OR)**  
b) Explain the following terms i) Water garden and ii) Rockery.

18. a) Enumerate on production technology in horticulture.  
**(OR)**  
b) Outline the cultivation details of Brinjal.

19. a) Summarize the details of preservation of fruits and vegetables.  
**(OR)**  
b) Explain the extraction process of Jasmine

20. a) What you know about hybridization. Explain it.  
**(OR)**  
b) Examine the crop breeding achievements in Paddy and Sugarcane.

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