

PARUL UNIVERSITY
COLLEGE OF AGRICULTURE
B.Sc. (Hons.) Agriculture Summer 2018 - 19 Examinations

Semester: 1st
Subject Code: 20108102
Subject Name: Fundamentals of Horticulture

Date: 12/04/2019
Time: 10:30am to 1:00pm
Total Marks: 50

Q.1 Do as Directed.**A. Fill in the blanks. (Each of 0.5 mark)****(05)**

1. Hortus means _____
2. Propagation means _____
3. Naturally occurring hormone of Auxin _____
4. Which hormone present in apical dominance _____
5. Which hormone is stress hormone _____
6. Which hormone is ripening hormone _____
7. Which hormone is generally use in breaking seeds dormancy _____
8. Mango Propagated by _____
9. The scientific method of naming an organism/plant is called _____.
10. Nomenclature system was suggested by _____.

B. Multiple choice type questions. (Each of 0.5 mark)**(10)****1. Onion is the example of**

- | | |
|-----------|-----------|
| a) Bulb | c) Tuber |
| b) Offset | d) Sucker |

2. Succulent plants which are erect, smaller in size and possess self supporting soft stems known as

- | | |
|----------|----------------------|
| a) Shrub | c) Herb |
| b) Tree | d) None of the above |

3. Many horticulture products are

- | | |
|-------------------|---------------------|
| a) Perishable | c) good |
| b) non perishable | d) All of the above |

4. Plant complete their life cycle in two year is known as

- | | |
|--------------|-----------------|
| a) Biennials | c) Annual |
| b) Perennial | d) Non of these |

5. Scarification means

- | | |
|-------------|-------------|
| a) Filling | c) Rubbing |
| b) Brushing | d) All true |

6. First endogenous cytokinin was isolated from maize kernels named as

- | | |
|---------------|-------------|
| a) Phytozinin | c) Zealetin |
| b) Phytokynin | d) Zeatin |

7. Which is gaseous hormone

- | | |
|--------|-------------|
| a) GA | c) Ethylene |
| b) ABA | d) Nitrogen |

8. Which is root crop

- | | |
|-----------|-----------------|
| a) Carrot | c) Garlic |
| b) Onion | d) All of above |

9. Which is solanaceous crop

- | | |
|-----------|-----------------|
| a) Tomato | c) Cucumber |
| b) Squash | d) Bitter gourd |

10. Olericulture is the science of growing

- | | |
|------------|---------------|
| a) Fruits | c) Vegetables |
| b) Flowers | d) Pomules |

11. Horticulture word is derived from two Latin word

- | | |
|----------------------|---------------------|
| a) Hortus and Cultra | c) Hortus and pomo |
| b) Hortus and garden | d) Non of the above |

12. Plant shed their leaves once in year know as

- | | |
|--------------|---------------------|
| a) Deciduous | c) Evergreen |
| b) Annual | d) Non of the above |

13. The fruit cultivated in temperate zone

- a) Apple
- b) Ber

- c) Banana
- d) Mango

14. Cultivation and management of forest tree

- a) Olericulture
- b) Apiculture

- c) Floriculture
- d) Silviculture

15. Multiplication of plants means

- a) Plant propagation
- b) Fruit harvesting

- c) Fruit gardening
- d) None of the above

16. Bulbous vegetable crop

- a) Onion
- b) Tomato

- c) Radish
- d) None of the above

17. The fruit cultivated in temperate zone

- a) Papaya
- b) Banana

- c) Mango
- d) Non of the above

18. Tropical fruit crop is

- a) Sapota
- b) Plum

- c) Apple
- d) Ber

19. Which irrigation method is recommended for water saving in fruit crop.

- a) Flood irrigation
- b) Drip irrigation

- c) Surface irrigation
- d) Non of the above

20. IBA is known as

- a) Rooting hormone
- b) Retardant

- c) Ethylene
- d) All of the above

Q.2 Do as Directed.

A. Define the following. (Any five)

(05)

1. Home nursery
2. Training
3. Pruning
4. Olericulture
5. Hormones
6. Propagation
7. Plant growth regulators

B. Answer the following. (Any five)

(05)

1. Why horticulture consider as a science ?
2. Types of grafting
3. What is olericulture ?
4. What is growth ?
5. What is development ?
6. Enlist five annual vegetables
7. Types of budding

Q.3 Write short notes. (Any five)

(10)

1. Horticulture is an art:
2. Enlist Scope of horticulture:
3. What is nursery ?
4. Write the uses of PGR in horticulture
5. Write the advantages of vegetative propagation with examples
6. Enlist role of Auxin in the plant
7. Enlist role of Gibberellins in the plant

Q.4 Long Questions/Example (Attempt any three)

(15)

1. Write the classification of horticultural plants
2. Division of horticulture
3. Full form : GA, IBA, NAA, ABA, 2,4-D
4. What is nursery? Write in detail for establishing the nursery unit