

B.Sc. (Hons.) Agriculture Winter 2018 - 19 Examination

Semester: 1

Date: 03/12/2018

Subject Code: 20108102

Time: 10:30am to 01:00pm

Subject Name: Fundamentals of Horticulture

Total Marks: 50

Instructions

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

Q.1 Do as Directed.**A. Fill in the blanks. (Each of 0.50 marks)****(05)**

1. Fruit developed without pollination and fertilization is known as -----
2. Horticulture means -----
3. Biennial plants complete their lifecycle in----- years
4. Propagation of plant by seed is also called as-----
5. Grape propagated by ----- and -----
6. Viable seed do not germinate in favourable condition is known as-----
7. Shaping of plant is known as-----
8. Contour planning system used in -----
9. Plant do not shed leaves is called -----
10. Planting distance of Banana -----

B. Multiple choice type questions. (Each of 0.50 mark)**(10)**

1. Ripening hormone is

a) GA3	c) NAA
b) IBA	d) Ethylene
2. Rooting enhanced by

a) IBA	c) ABA
b) GA3	d) Ethylene
3. Pruning done in

a) Ber	c) Apple
b) Sapota	d) Peach
4. Joining of stock and scion is known as

a) Layering	c) Seed
b) Grafting	d) Pollination
5. Scientific cultivation of flowers is known as

a) Pomology	c) Sericulture
b) Floriculture	d) Apiculture
6. Onion is good example of

a) Tuber	c) Rhizome
b) Bulb	d) Suckers
7. Tuber is good example of

a) Potato	c) Sweet Potato
b) Garlic	d) Turmeric
8. Mango is a crop of

a) Tropical	c) Temperate
b) Sub Tropical	d) None of these
9. Vegetables are rich source of

a) Vitamins	c) Nutrients
b) Minerals	d) All of above
10. Seed germination is done in

a) Air	c) Temperature
b) Moisture	d) all of above
11. Grape pruning is done for flowering in the month of

a) January	c) October
b) March	d) December
12. Ideal Bahar treatment taken in Pomegranate

a) Ambe-Bahar	c) Hasta-Bahar
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b)Mrig -Bahar

13.Maximum Vit.-C recorded in

a)Mango

b)Sapota

14.Apple is example of Fruit

a)Tropical

b)Sub-tropical

15.Grand Nain is variety of

a)Mango

b)Banana

16.Best irrigation method

a)Flood

b)Ring

17.Silviculture means cultivation and management of

a)Rose

b)Okra

18.Following are annual plant

a)Onion

b)Cabbage

19.Staminate flower is known as

a)Male

b)Female

20.Which plants known as dioeciaes

a)Mango

b)Papaya

d)Mast-Bahar

c)Ber

d)Aonla

c)Temperate

d)None of above

c)Papaya

d)Sapota

c)Drip

d)Basin

c)Rice

d)Teak

c)Brinjal

d)Ber

c)Both

d)None

c)Coconut

d)Banana

Q.2 Do as Directed.

(05)

A. Define the following.

1.Pomology

2.Compatibility

3.Horticulture

4.Male sterility

5.Perennial

B. Answer the following. (Any Five)

(05)

1.Types of Layering with figure

2.Square planting method

3.Softwood grafting

4.Irrigation methods

5.Pruning benefits

6.Bahar treatment

7.Inter cropping

Q.3 Write short notes. (Any five)

(10)

1.Benefits of sexual propagation

2.Seed treatment

3.Use of growth regulators in Horticulture crops

4.Divisions of Horticulture

5.Scope of Horticulture

6.Climatic zones of India

7.Unfruit tallness

Q.4 Answer the question in details (any three)

(15)

1.Orchads layout with figure

2.Methods of training and pruning

3.Importance of plant bio-regulators in Horticulture

4.Fertilizer application in Horticulture