

B.Sc. (Honours) Agriculture Semester-IV Examination, 2019

Course No: HOR-222 (New)

(Production Technology for Fruit and Plantation Crops)

Signature of Centre Superintendent

Roll No. : (in figure) _____ (in words) _____

Student Index No. _____ Regn. No. _____ of _____

Time : Two Hours

Full marks : 50

Questions are of value as indicated in the margin

Part - I
(Objective and Short Answer Type)
(Use only ball point pen)

Time : 30 minutes

Full marks : 20

- Note:** 1. Answer in question paper itself.
2. Striking, rewriting or overwriting are not allowed in the objective type questions.

1. **Fill up the blanks with most appropriate words (any five) :** 1×5=5

- a) India ranks _____ position in fruit crop production in the world.
- b) Mridula is a variety of _____.
- c) Commercially sapota is propagated by grafting on _____ rootstock
- d) The botanical name of jackfruit is _____.
- e) Black tip disorder of mango is caused by _____.
- f) Bunchy top is a cultivation problem associated with _____ fruit crop.
- g) The term hesperidium is associated with _____ fruit crop.

2. **Tick (✓) the correct alternatives:** 1×5=5

- a) Most heavily pruned fruit plant is i) Mango ii) Guava iii) Litchi iv) Ber
- b) The native place of papaya is i) Tropical America ii) China iii) Iran iv) India
- c) Strawberry is a i) Short day plant ii) Long day plant iii) Day neutral plant iv) None of these
- d) Papaya plant is planted with a male female ratio of i) 1:5 ii) 1: 10 iii) 1 : 15 iv) 1 : 20
- e) Amrapali variety of mango is a cross between i) Neelum x Dashehari ii) Dashehari x Neelum
iii) Neelum x alphonso iv) Ratna x Alphonso

3. **Write in brief (any five) :** 2×5=10

- a) Importance of rootstock

(2)

b) Pruning of grape

c) Maturity indices of sapota

d) Propagation method of pineapple

e) Advantages of HDP

f) Value added products of coconut

g) Importance of plantation crops

h) Fruit cracking of litchi

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Semester-IV
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Part - II
(Descriptive Type)

Time : 90 Minutes

Full marks : 30

Questions are of value as indicated in the margin

Answer *any four* questions

4. Describe the production technology of mango with respect to soil and climate, varieties, propagation & planting, harvesting and yield. 2+2+2+1.5=7.5
 5. Discuss the production technology of litchi highlighting soil and climate, propagation and planting, training and pruning, harvesting and yield. 2+2+2+1.5=7.5
 6. Briefly enumerate the package of practice for apple with special reference to soil and climate, varieties and rootstocks, propagation and planting, harvesting and yield. 2+2+2+1.5=7.5
 7. Write down the brief cultural practices of coffee with respect to propagation and planting, nutrient management, training and pruning and harvesting. 2+2+2+1.5=7.5
 8. Discuss the production technology of cashewnut with respect to soil and climate, propagation and planting, nutrient management, harvesting and yield. 2+2+2+1.5=7.5
 9. Write short note on the following (any five) 1.5×5=7.5
 - a) Flower induction in pineapple
 - b) Varieties of cashewnut
 - c) Propagation and planting of strawberry
 - d) Sex expression of papaya
 - e) Types of pear
 - f) Fruit cracking of pomegranate
 10. Write comprehensive note on the followings : 2.5×3=7.5
 - a) Alternate bearing in mango
 - b) Citrus decline
 - c) Crop regulation in guava
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