

B.Sc. (Ag.) Honours Semester-I Examination, 2018

Course No: HOR-111 (Old)

(Production Technology of Fruit Crops)

Signature of Centre Superintendent

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

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

Time : Two Hours

Full marks : 40

Questions are of value as indicated in the margin

Part - I

(Objective and Short Answer Type)

(Use only ball point pen)

Time : 20 minutes

Full marks : 10

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

1. **State True (T) or False (F) in respect of the following statements(*any ten*):** 10×0.5=5.0
- a) Veneer grafting is the commercial method of mango propagation.
 - b) Ber is suitable crop for humid region.
 - c) Denaveling is commonly practiced in banana.
 - d) In hexagonal system, 15% more trees can be planted as compared to square system.
 - e) Basin system of irrigation generally follows to economise water.
 - f) 'M' Series of root stock is associated with apple.
 - g) When slope is >20% countour bunding is practiced in countour system of planting.
 - h) Custard apple ripen during May-June in dry region.
 - i) Chaubattia Princes is a variety of sweet orange.
 - j) Papaya is highly susceptible to water lagging.
 - k) Grapes are widely adapted to telephone system of training in India.
 - l) Mango originated in Indo-Burma region.
2. **Fill up the blanks with most appropriate words (*any ten*):** 10×0.5=5.0
- a) _____ fruit plant is suitable for fencing.
 - b) Black tip is a physiological disorder associated with _____ crop.
 - c) Pomegranate belongs to _____ family.
 - d) The best time of pruning of apple is _____.
 - e) The botanical name of Guava is _____.
 - f) Dwarf Cavendish is a variety of _____.

[2]

- g) Commercially guava is propagated through _____.
- h) IIHR located at _____.
- i) Shahi is a variety of _____.
- j) Mango belongs to the family _____.
- k) _____ is the most preferred planting materials for pineapple.
- l) In World, India rank _____ in total fruit production.

B.Sc. (Ag.) Honours Semester-I Examination, 2018
Course No: HOR-111 (Old)
(Production Technology of Fruit Crops)

Part - II
(Descriptive Type)

Time : 100 Minutes

Full marks : 30

Questions are of value as indicated in the margin

Answer *any three* questions.

3. Write down the production technology of mango with respect to –
 - a) Varieties
 - b) Propagation technique
 - c) Planting methods
 - d) Crop nutrition
 - e) Yield and post harvest management. 10

 4. Discuss the production technology of banana with reference to improved varieties, propagation method, nutrient and water management, yield and problem of cultivation. 10

 5. Enlist various types of citrus with their botanical names. Write on the production technology of any one type of citrus in detail. 10

 6. Write down the cultivation practices of pineapple with reference to –
 - a) Soil and climate
 - b) Planting method
 - c) Flower regulation
 - d) Harvesting and yield

 7. Write short notes (***any four***): 4×2.5=10.0
 - a) Bahar treatment of pomegranate
 - b) Apple rootstock
 - c) Pruning of ber
 - d) Advantages of asexual propagation
 - e) Difference between training and pruning
 - f) High density planting
-