

Question Paper Code : 6050

M.Sc. (Ag.) (Semester-I) Examination, 2017

HORTICULTURE

[First Paper]

(Tropical and dry land Fruit Production - 501)

Time : Three Hours]

[Maximum Marks : 50

Note : Attempt **five** questions in **all**, question **No.1** is **compulsory**. Beside this, answer **one** question from each unit.

1. Describe the following : [2x10=20]

- (a) Black tip of mango
- (b) Polyembryony
- (c) Rootstocks in citrus
- (d) Fusarium wilt of banana
- (e) Two popular varieties of guava
- (f) Soft wood grafting

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(1)

[P.T.O.]

- (g) Micropropagation
- (h) Pruning of Phalsa
- (i) Bahar regulation in pomegranate
- (j) Gynodiocious varieties of papaya

UNIT-I

2. Write short notes on any two of the following : [8]
- (a) Mango malformation
 - (b) Guava wilt
 - (c) Nutrient management in tissue culture banana

3. Describe Fruit drop in mango in detail. [8]

UNIT-II

4. Write short notes on **any two** of the following : [8]
- (a) High density planting of citrus and its advantages.
 - (b) Rootstocks suitable for high density system in citrus.
 - (c) Rootstock used for kinnow.

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(2)

5. Describe in detail the nutrient and irrigation management in guava. [8]

UNIT-III

6. Discuss the propagation and use of growth regulators in pineapple. Name two varieties of pineapple. [7]
7. Write short notes on the following :
- (a) Bael propagation and varieties [4]
 - (b) Maturity and harvesting of avocado [3]

UNIT-IV

8. Write short notes on the following :
- (a) Pruning in Ber. [4]
 - (b) Physiological disorder in pomegranate. [3]
9. Describe the production technology of Aonla with special reference to propagation and plant protection. [7]

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(3)