

M.Sc.(Ag.) Semester – I Examination, 2014

Horticulture

Course : HOR – 512

(Tropical and Dryland Fruit Production)

Time: 3 Hours

Full Marks: 50

Questions are of value as indicated in the margin.

Answer **any five** questions.

1. What do you understand by tropical and dry land fruits? Explain in detail, the climatic requirement of any of four fruit crops

- (a) Litchi
- (b) Papaya
- (c) Pomegranate
- (d) Mango
- (e) Sapota
- (f) Avocado
- (g) Mandarin

2+2+2+2+2=10

2. Describe the characteristics of four most important varieties of **any five** fruit crops recommended for West Bengal

- (a) Guava
- (b) Papaya
- (c) Litchi
- (d) Sapota
- (e) Banana
- (f) Aonla

2×5=10

3. Briefly explain the procedure for preparation of quality planting material of following fruit crops in large scale

- (a) Mango
- (b) Litchi
- (c) Papaya
- (d) Jackfruit
- (e) Sapota

2×5=10

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4. Explain in detail about the water management strategies of following fruit crops under West Bengal conditions
- (a) Litchi
 - (b) Mango
 - (c) Pomegranate
 - (d) Papaya
 - (e) Banana 2×5=10
5. Explain in detail, one of the most important physiological disorders of *any five* of the following fruits under West Bengal conditions and strategies for their management
- (a) Mango
 - (b) Litchi
 - (c) Sweet orange
 - (d) Pomegranate
 - (e) Pineapple
 - (f) Custard apple 2×5=10
6. Explain the maturity indices, method of harvesting and post harvest handling of *any five* of the following fruit crops
- (a) Pineapple
 - (b) Banana
 - (c) Litchi
 - (d) Mango
 - (e) Sapota
 - (f) Papaya 2×5=10
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