

Board of Departmental Examination, Himachal Pradesh
Departmental Examination, April, 2015

Paper: -3 Rules and Acts for the Technical Officers of Horticulture Department

MM: 100

Time allowed: 3 Hrs

Notes:

1. Attempt any five questions in all. Question No 1 is compulsory.
2. All questions carry equal marks.
3. Books are not allowed inside the examination hall.

Q. N. I

What are the revised norms of assistance of the following components of the centrally sponsored MIDH scheme being implemented by the Horticulture Department in the State?

1. Area expansion of fruit crops (Cost Intensive, High density plantation)
 2. Creation of water Sources
 3. Protected cultivation (Fan Pad System)
 4. Organic farming
- (4X 5) = 20**

Q. N. II

What are the propagation techniques adopted in the following fruit crops? Mention the methods and time of propagation for each fruit crop given below:-

1. Stone fruits
 2. Mango
 3. Litchi
 4. Apple
 5. Kiwi
 6. Pomegranate
 7. Grapes
 8. Sapota
 9. Guava
 10. Walnut
- (10X2) = 20**

Q. N. III

What are the control measures for the control of following pest and diseases in fruit crops?

1. Apple woolly aphid
 2. Mango malformation
 3. Citrus leaf minor
 4. Anar Butterfly
 5. Fruit fly
- (5X4) = 20**

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Q.N. IV

Write briefly on following

1. List out the major natural calamities causing losses to fruit crops in the state.
2. What are the weather parameters identified for apple and mango fruit crops under the Weather Based Crop Insurance (WBCIS) scheme?
3. What are the norms of assistance under the CRF/ SDRF/NDRF on account of losses to fruit crops?
4. How the affect of drought can be minimized in fruit crops? (4x5)=20

Q. N. V

Write short notes on the following

1. Migratory bee keeping
2. Incentives available for beekeeping under the state plan & central sponsored schemes
3. Integrated Pest Management (IPM).
4. Role of Bio-control agents in control of major pest in fruit crops. (4x5)=20.

Q. N. VI

Write briefly on the following points

1. Advantages of canopy management in fruit crops
2. Bio- fertilizer
3. Integrated Nutrient Management in fruit crops (INM)
4. What is Micro propagation? Give its advantages in fruit crops. (4x5)=20

Q.N. VII

Write short notes on the following

1. Mandate of the PCDOs and Fruit Nurseries of the Department
2. Steps involved in cultivation of white button mushrooms
3. Discuss the role of Panchayati Raj institution in development of Horticulture.
4. What is the Market Intervention Scheme (MIS)? Which fruits are covered under the scheme? (4X5)=20

Q.N. VIII

Write briefly on following

1. What are the salient features of community canning service being undertaken at the Departmental fruit canning units?
2. Describe in detail the procedure for getting a nursery registered under The HP Fruit Plant Nursery Registration Act-1973.
3. Which crops are best suited for protected cultivation? Give the advantages of protected cultivation of fruit, vegetable and flower crops.
4. Package of practices for cultivation of Carnation cut flower under protected conditions. (4X5)=20