

Board of Departmental Examination, Himachal Pradesh
Departmental Examination, April, 2016

Part -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

1. Problems of Horticulture Industry in the State.
2. How the productivity of apple can be improved in the state?
3. Techniques for the rejuvenation of old and unproductive orchards.
4. Prospects of protected cultivation of flower and vegetable crops in state.
5. How the accreditation of fruit nursery can improve quality of the planting material in the State

(5X 4) = 20

Q.N. II

Write brief notes on the following:-

- (i) Difference between polliniser & pollinator
- (ii) Importance of Organic farming in fruit crops
- (iii) Difference between plum & prune
- (iv) Mango malformation
- (v) Name important cultivars of Almond cultivated in Himachal Pradesh.
- (vi) Constraint in strawberry cultivation
- (vii) Importance of in situ Mango plantation
- (viii) Integrated Nutrient Management
- (ix) Difference between Peach & Nectarine
- (X) Pollination in Kiwi fruit plants

(10X2) = 20

Q.N. III

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

1. Peach leaf curl disease
2. Mango malformation
3. Citrus canker
4. Anar Butterfly
5. Fruit fly

(5X4) = 20

Q.N. IV

Write briefly on following

-Contd -

1. List out the major fruit crops covered under the Weather Based Crop Insurance scheme (WBCIS), salient features and major constraints in implementation of this scheme in the state.
2. Norms of assistance under the Relief Manual (CRF/SDRF) for the losses to fruit crops due to natural calamities in the state.
4. How the affect of hail storm can be minimized in fruit crops especially apple?

(10+5X2)=20

Q.N. V

Write short notes on the following

1. What is the role of pollinators in improving productivity in fruit crops
2. Incentives available for beekeeping under the state plan & central sponsored schemes
3. Integrated Pest Management (IPM).
4. Role of Bio-agents in control of major pest & diseases in fruit crops. List out five major bio- agents.

(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. Prospects of high density plantation.

(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. Role of HPMC in the Development of Horticulture Industry of the State.
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. Prospects of high density apple plantation on clonal rootstocks in the State.
3. What is the importance of leaf sampling in fruit trees? What is the time of leaf sampling of Apple, Mango, Kinnow, Peach & Almond fruit trees?
4. Norms of assistance for training of farmers under State Plan Scheme.

(4X5)=20