

**Board of Departmental Examination, Himachal Pradesh**  
**Departmental Examination, October, 2014**

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. First question is compulsory.
2. All questions carry equal marks.
3. Books are not allowed inside the examination hall.

- Q.N. 1      Write short notes on the following:-
- (i) What are the salient features of the H.P. Fruit Plant Nursery Registration Act, 1973? What are the major constraints in implementation of this Act in the State.
  - (ii) What are the salient features of Add on/ Index Plus scheme for Apple crop under the Weather Based Crop Insurance Scheme (WBCIS) being implemented in the State?
  - (iii) What is the mandate of the establishment of Progeny Cum Demonstration Orchards (PCDOs) in the Department of Horticulture?

**(10x5 x5)= 20**

- Q.N. 2      Write briefly on the following:-

- (i) Botanical names of Mango, Walnut, Banana, Apricot and Peach
- (ii) Citrus decline
- (iii) Prospects of Pomegranate cultivation in low hill areas of the state.
- (iv) Integrated Nutrient Management (INM)
- (v) Pollination in Kiwi fruit plants

**(5x4)=20**

- Q.N. 3      What are the main reasons for low productivity in Apple orchards in Himachal Pradesh? How it can be improved?

**( 20)**

- Q.N. 4      Write briefly on following

- (i) Methods of clonal rootstocks multiplication.
- (ii) Community Canning Service
- (iii) Name two important diseases affecting Mango and Apple fruit crops & suggest control measure.
- (iv) Norms of assistance under National Mission on Micro-Irrigation (NMMI)

**(4x5)=20**

- Q. N. 5      Write short notes on any four of the following

- (i) Role of HPMC in the Development of Horticulture Industry of the State.
- (ii) Migratory bee keeping
- (iii) Incentives available for beekeeping under the state plan & central sponsored RKVY scheme.
- (iv) Integrated pest management (IPM).

**(4x5)=20**

*(cont... page 2)*

- Q. N. 6 Write briefly on ~~any four~~ the following points
- (i) Control of frost in Mango
  - (ii) Norms of assistance under the Relief Manual for the losses to fruit crops under the CRF/SDRF.
  - (iii) Canopy management in fruit crops
  - (iv) Bio- fertilizer

(4x5)=20

Q.N. 7 Write short notes on the following

- (i) Nutritional value of mushroom
- (ii) Scope of cut flower cultivation in the State.
- (iii) Major constraints in marketing of mushroom
- (iv) What are major natural calamities affecting fruit crops? How we can combat it?

(4X5)=20

Q.N. 8 Write briefly on following

- (i) What is the importance of leaf sampling in fruit trees? What is the time of leaf sampling of Mango, Litchi, Kinnow, Peach & Almond fruit trees?
- (ii) What are control measures for attack of fruit fly in Guava?
- (iii) What is the Market Intervention Scheme (MIS)?
- (iv) Norms of assistance for training of farmers under State Plan Scheme.

(4X5)=20

(2x4)=20

(20)

(4x5)=20

(4x5)=20

(Conf. - 6/2/20)