

Board of Departmental Examination, Himachal Pradesh
Departmental Examination October, 2015.

Paper No. 3: Rules & Acts for the Technical Officers of Horticulture Department.

MM 100

Time allowed: 3 hrs.

- Notes: 1. Attempt any five questions carry equal marks. First question is compulsory.
2. All questions carry equal marks.
3. Books are not allowed inside Examination Hall.

- Q.No.1. (i) Describe the importance of leaf analysis of fruit plants. Enumerate the procedure followed for sampling technique in Apple. Describe in brief the role of 3 micro nutrients in horticulture crops.
- (ii) What are the salient features of Himachal Pradesh Pest Diseases & Obnoxious Weeds, Act 1969.

(10x2)=20

Q.No.2. Write a short notes on any four of the following:-

- (i) Apple Scab and its control measure.
- (ii) Peach leaf Curl Disease.
- (iii) Anthracnose disease of Mango.
- (iv) Downy Mildew of grapes.
- (v) Root rot disease of apple & its management practices.

(4x5)=20

Q.No.3. Write a short notes on any four of the following:-

- (i) Mango Mealy bug.
- (ii) Citrus nematodes.
- (iii) San Jose Scale pest of apple
- (iv) Codling moth of apple
- (v) Red Spider mite.

(4x5)=20

- Q.No.4 (i) Describe the norms of assistance under Mission for Integrated Development of Horticulture (MIDH) for the farming community of the State specifically for area expansion under fruit crops, protected cultivation, anti hail nets, Bee Keeping & for promotion of floriculture.
- (ii) What is the necessity of Market Intervention Scheme launched by the State Government from time to time. At present which

crops are covered under the aforementioned Scheme. Describe about terms and Conditions being followed for one of the fruit crops during the year 2015.

(10x2)=20

Q.No.5. Write short notes on any four of the following:-

- (i) Weather Based Crop Insurance Scheme of Fruit crops.
- (ii) Apple Rejuvenation Project.
- (iii) Diversification of Horticulture Crops.
- (iv) Names of most common rootstocks in apple, pear & cherry.
- (vi) Integrated Pest Management.

(4x5)=20

Q.No.6.(i) Describe the importance of Bee keeping in increasing productivity of cereal and fruit crops. Why the honey bees are preferred over other pollinators for cross pollination of crops. Mention the names of 10 wild bee flora most prevalent in Himachal Pradesh.

(ii) Differentiate between the following:-

(8)

- (a) Jam and Jelly.
- (b) Concentrated ~~Orange~~ Juice & ~~Apple~~ Squash.

(c) Waggle tail dance & Dancing lady

(3+4+4+4)=20

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Q.No.7. Describe in brief on any four of the following:

- (i) Biopesticides in Pest Supression.
- (ii) Biofertilizers
- (iii) Organic Farming.
- (iv) Integrated Nutrition Management.
- (v) Names of any 5 Biocontrol agents in fruit crops.
- (vi) Fertigation technique.

(4x5)= 20

Q.No.8.(i) Describe about the role of National Horticulture Board for development of Horticulture in the State.

OR

- (ii) Constitution of Himachal Pradesh Marketing Corporation in promotion of Horticulture in the State.
- (iii) Drip & sprinkler irrigation in fruit crops.
- (iv) Importance of value addition in fruit crops.

(10+5+5)= 20