

Board of Departmental Examination, Himachal Pradesh
Departmental Examination, ~~2019~~ 2019
Nov-

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

Max. Marks : 100
Time allowed : 3 Hrs

- Notes :
1. Attempt five questions in all; Question No.1 is compulsory.
 2. All questions carry equal marks.
 3. Only Bare Acts are allowed inside examination hall.

Q.No. I. Describe any four of the following:

- (i) Recent advances in horticulture in Himachal Pradesh.
- (ii) Effective rain water harvesting and its conservation.
- (iii) Incentives available under MIDH for mechanization in horticulture.
- (iv) World Bank funded HP Horticulture Development Project.
- (v) Post harvest losses in horticulture and ways and means for their mitigation.

(5 x 4 = 20)

Q.No.II. Differentiate between :

- (i) Plum and prune.
- (ii) Peach and nectarine.
- (iii) Pollinators and pollinisers.
- (iv) Seedling and clonal rootstock.
- (v) Peach leaf curl caused by aphids and fungus.

(4 x 5 = 20)

Q.No. III.

1. Describe the role of micro-nutrients in the growth of fruit plants. What are the deficiency symptoms of Calcium, Boron, Zinc and copper.
2. What are the penalties laid down under HP Fruit Nurseries Registration Act, 2015 & Rules thereof for violation by the nurserymen ? Who is the Appellate Authority under the Act.

Or

What is the procedure required to be followed by a retailer for obtaining license to deal with pesticides ? What penalties can be imposed on the retailers for violation of the terms and conditions of Insecticides License ?

(2 x 10 = 20)

Q.No. IV. Explain with examples

- (i) Bio-pesticides and Bio-fertilizers.
- (ii) Quarantine and Post-entry quarantine.
- (iii) Physical and mechanical control of pests and diseases.
- (iv) Soil salinity and acidity.

(5 x 4 = 20)

Q.No. V. How will you manage the following :

- (i) Varroa mites in a bee hive.
- (ii) Mango malformation.
- (iii) Fruit flies in Guava.
- (iv) Excessive vegetative growth in fruit trees

(5 x 4 = 20)

Q.No. VI. Write short notes on the following schemes :

- (i) PMKSY
- (ii) HPSHIVA
- (iii) WBCIS
- (iv) MIS.

(5 x 4 = 20)