

**H.P.BOARD OF DEPARTMENTAL EXAMINATION  
DEPARTMENTAL EXAMINATION OF OTHER GAZETTED OFFICERS/  
OFFICIALS OF HIMACHAL PRADESH SESSION MAY- JUNE, 2009**

**PAPER-3 (RULES AND ACTS FOR TECHNICAL OFFICERS OF  
HORTICULTURE DEPARTMENT)**

**Time Allowed: 3 Hours.**

**Maximum Marks: 100**

- Note:-** 1. First Question is compulsory. Attempt any five questions in all.  
2. All questions carry equal marks.  
3. Books are not allowed inside the examination hall.

Q.No.1 Write short note on the following:-

1. What is the Impact of Climate Change on Horticulture?
2. What are the objectives of the Garden Colonies?
3. What is Hail Control System, its usefulness in hail prone areas of H.P?
4. What is Integrated Pest Management/
5. What are Bio- fertilizers and their advantages? **( 5 x 4 = 20 marks)**

Q.No.II a) Name the two Centrally Sponsored Schemes being implemented by the Department of Horticulture. Describe separately the main features, objectives Programmes under both the Schemes. **(10 marks)**

b) Which mini Mission of the Horticulture Technology Mission is directly related to the productivity improvement? Describe in detail any five programmes of Mini Mission- II which you will advocate to farmer for productivity Improvement of his crop. **(10 marks)**

Q.No.III a) Importance and salient features of the Himachal Pradesh Pest. Diseases and Obnoxious weeds act, 1969. **(10 marks)**

b) Describe the salient features of Fruit Nurseries Registration Act- 1973. What what are the by laws and procedures which can safeguard the interests of farmers by supplying them high quality planting material? **(10 marks)**

Q.No.IV a) What do you understand by the Market Led Extension? What are your Suggestions for making changes in the Market Intervention Scheme (MIS) Being implemented by the State Govt. of H.P? **(10 marks)**

b) What are the main cause of the low productivity of Apple/ Mango in HP? What are the methods for improving the productivity of the fruit crops? (Please write specifically for one crop only) **(10 marks)**

Q.No.V Explain following terms in reference to Horticulture:-

1. OGL
2. Genetic Engineering
3. SARD
4. Stratification
5. INM

**(5 x 4 = 20 marks)**

Q.NO.VI Give the scientific names of following crops along with their important Cultural practices to be followed for their commercial production.

1. Apple
2. Mango
3. Tomato
4. Carnation
5. Aloe Vera

**(5 x 4 = 20 marks)**

Q.No.VII a) How do you think the Schemes of the Department can effectively be Implemented through the involvement of Panchayati Raj Institutions?

**(5 marks)**

b) What is organic cultivation in Horticulture crops? Explain Advantages and Disadvantages of organic cultivation? **(5 marks)**

c) What is the latest status of Horticulture Industry in Himachal Pradesh? **(5 marks)**

d) What are the main problems being faced by the Green House Growers in Himachal Pradesh. Suggest solutions for the same. **(5 marks)**

Q.No.VIII a) Describe the cultivation of any two high value crops in the Hi- tech Green House and also work out the cost/ benefit ratio for the same. **(10 marks)**

b) What is the role of Himachal Pradesh Horticulture Produce Marketing and Processing Corporation for solving the marketing and processing problem of The Horticulture produce? Describe in details the functions of the Corporation. **(10 marks)**

Q.No.IX What are Clonal rootstocks? Describe their mode of propagation? Describe The Characteristics of any five:-

1. MM-111
2. MM-106
3. M-7
4. M-793
5. Gisela
6. Colt
7. F 12/1

**(5 x 4 = 20 marks)**

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