

**BOARD OF DEPARTMENTAL EXAMINATION
DEPARTMENTAL EXAMINATION OF OTHER GAZETTED / NON
GAZETTED OFFICERS OF HIMACHAL PRADESH SESSION APRIL, 2008**

PAPER-3 (Rules and Acts for Technical Officers of Horticulture Department)

**Time Allowed: 3 Hours.
100**

Maximum Marks:

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

Q.No.1 Write short notes on following:-

1. Plasticulture & Precision farming.
2. Bud wood Banks.
3. Anti Hail Gun, its usefulness & hail prone areas in H.P.
4. WTO and its positive and negative impacts on the horticulture trade.
5. Micro -irrigation and its advantages.

(5 x 4 =

20)

Q.No.2 Describe briefly the objectives and programmes of Horticulture Technology Mission What are the main features of four Mini Missions being implemented Under Horticulture. On the basis of above answer the following:-

- a) Date of Launch of Mission in H. P.
- b) Who Union Minister launched the Mission in H.P.
- c) Total out lay fro 10th Five year Plan.

(10)

Which Mini Mission of the Horticulture Technology Mission is directly related to The productivity improvement? Describe in details any five programmes of Mini Mission-II which you will advocate to farmer for productivity improvement of His crop. **(10)**

Q.No.3 Describe the salient features of Fruit Nurseries Registration Act- 1973. What are

The by laws and procedures which can safeguard the interest of farmers by Supplying them high quality planting material? Do you think there is any need To make these bylaws and Acts more stringent? If yes, suggest the Amendments?

(20)

Q.No.4 a) How do you think the extension methods can change the outlook of farmers for

and Adopting the new schemes of departments? Describe the general methods

Tools of extension which are widely being used by the extension
functionaries
In the field. (20)

b) What are the reasons for the low productivity of fruit crops in H.P.? What
steps
are being taken by the Department for improving the productivity?
(20)

-2-

Q.No.5 Explain following terms in reference to Horticulture:-

1. RKVY
2. RKBY
3. SARD
4. IPM
5. INM
6. Soil Sterilization
7. Sun drying of fruits.
8. Plant Growth Regulators
9. Mulching
10. Bonsai

(10 x 2 = 20)

Q.No.6 Give the scientific names of following crops along with minimum three
varieties

Of each recommended for commercial production in H.P.

1. Pear
2. Mango
3. Tomato
4. Carnation
5. Capsicum

(5 x 4 =

20)

Q.No.7 Describe the main features of the Himachal Pradesh Agriculture Pests,
Diseases

And Obnoxious Weeds Act, 1969. Name the plants which come under its
Provision. (8)

What are the Biofertilizers? What are different types of Bio fertilizers with
Examples in each category.

(4)

What is organic cultivation in Horticulture crops? Explain Advantages and
Disadvantages of organic cultivation?

(8)

Q.No.8 Describe the importance of Green House cultivation in horticulture crops.
What

Are the various types of green houses and their advantages?

(10)

Describe the cultivation of carnation, capsicum, tomato and nursery production Under green house conditions.

(10)

Q.No.9 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. F12/1
- marks)**

(20
