

HIMACHAL BOARD OF DEPARTMENTAL EXAMINATIONS  
DEPARTMENTAL EXAMINATION FOR OTHER GAZETTED OFFICERS OF  
HIMACHAL PRADESH

OCTOBER, 2016

Paper No. 4 Food, Civil Supplies and Consumer Affairs

Time Allowed : 3 hours

Maximum marks : 100

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

iii) Bare acts, rules and orders allowed inside the examination hall.

- Q. No.1 (a) Explain Quality Control Procedure at the time of procurement of food grains. (10)
- (b) What measures are required to be taken for safe storage of food grains in godowns? (10)
- Q. No. 2. Discuss important species of rodents, insects and pests and measures to control them. (20)
- Q. No 3. (a) What do you understand by latent infestations? What are the methods to detect infestation of food grains? (10)
- (b) What precautions are required to be taken to use pesticides? (10)
- Q. No. 4 (a) What are the methods of sampling of food grains? (12)
- (b) How can sample be made more representative? (8)
- Q. No. 5 Write notes on any two of the following:  
i) Storage Fungi  
ii) Bird Pest Management  
iii) Toxic Weed Seeds  
iv) Fumigation  
10x2 (20)
- Q. No. 6 Discuss the provisions of Food Adulteration Act, 1954? How is their implementation ensured by the department of Food, Civil Supplies and Consumer Affairs Department? (20)
- Q. No. 7 (a) Discuss toxic varieties of edible food grains. (10)
- (b) Write mode of action of Malathion. (10)

P.T.O.

**Q. No 8**

What do you understand by the following? Attempt any five.

- i. Weeviled grains
- ii. De husked grains
- iii. Antidotes
- iv. Prison Shyness
- v. Alcoholic Acidity
- vi. Refractions
- vii. Primary Sample

**4X5 (20)**

**Q. No 9 (a)** What bio-chemical and nutritional changes occur in food grains during storage? **(10)**

**(b)** Discuss analysis procedure of rice. **(10)**

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