

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

**SEPTEMBER 2020**

*Paper No. 4*

*Food, Civil Supplies & Consumer Affairs.*

*Time Allowed : 3 Hours*

*Maximum Marks : 100*

*Note:-*

*(i) Attempt any five questions.*

*(ii) All questions carry equals marks.*

*(iii) Bare Acts, Rules & Orders are not allowed in the examination hall.*

**Q. No. I**

- (i) What is the Food Policy and different methods of Procurement of Food Grains in India? (15)
- (ii) What do you understand from Rabi Crops and Kharif Crops? (5)

**Q. No. II**

- (i) Define the role of Moisture, Temperature and Humidity in the Safe Storage of Food Grains? (10)
- (ii) What is Scientific Storage of Food Grain? What are the salient features of Scientific Food Grain Storage? (10)

**Q. No. III**

- (i) Explain the different types of Fumigants and factors affecting the Efficacy of Fumigants. (10)
- (ii) What are the Prophylactic and Curative Treatments in the Pest Control of the stored food grains? (10)

**Q. No. IV**

- (i) Write a note on Farm Level Storage, giving its merits and demerits? (10)
- (ii) What are the problems of Food Grain Storage and importance of "CAP" Storage? (10)

**Q. No. V**

- (i) What is the difference between Insects and Mites? (10)
- (ii) What do you understand by Khapra and Grain Moth? (10)

**Q. No. VI**

Write notes on

- a) House Mouse
- b) House Rat
- c) Smaller Bandicoot
- d) Larger Bandicoot

(4x5=20)

**Q. No. VII**

- (i) Which is the State Agency of Himachal for Storage and Distribution of Food Grains and define its role in Targeted Public Distribution System? (20)

**Q. No. VIII**

- (i) Define the following
  - a) Refractions
  - b) Foreign Matter
  - c) Broken Grains
  - d) Organic Foreign Matters
  - e) Splits
  - f) Touched Grains
  - g) Weevilled Grains
  - h) Dehusked Grains
  - i) Fragments
  - j) Chalky Grains

(2x10=20)

**Q. No. IX**

- (i) Write a complete note on the Procedure for drawing of Food Grain Sample from Wholesale Godown and Fair Price Shop? (10)
- (ii) What are the Toxic Contaminants in Food Grains and what are their ill-effects? (10)

**Q. No. X**

- (i) Write a note on Types and Methods of Stacking, Stack Cards and Analysis Slip? (10)
- (ii) What is Bag and Bulk Storage of Food Grains and what are the specifications for the construction of Bag Storage Structures? (10)