

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

NOVEMBER 2019

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 equal marks.*
 - (iii) Bare acts, rules & orders are not allowed in the examination hall.*

- Q. No.1*
- (i) What is an ideal Godown? Explain. (6)*
 - (ii) What do you mean by "Cover and Plinth" CAP storage? Explain code of practices to be observed while CAP storage. (7+7)*
- Q. No. II*
- (i) Define uniform specification for Indian wheat of all varieties for the present marketing season. (10)*
 - (ii) Explain analysis procedure for determination of Dehusked grains in rice. (10)*
- Q.No.III*
- (i) What do you mean by categorization and classification of food grains and why is it needed? (4+4+4)*
 - (ii) How would you make disposal of damaged food grains ? (8)*
- Q.No.IV*
- (i) "Deterioration of foodgrains occurs due to physical, chemical and biological changes in food grains". Explain, these changes in detail and prevention there of. (10)*
 - (ii) Define the following :-*
 - (a) Varietal Admixture. (b) Broken grains.*
 - (c) Organic foreign matter. (d) Touched grains.*
 - (e) Dal (2x5=10)*

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- Q. No. V* (i) *What are the properties of foodgrains ?* (10)
- (ii) *Define Hectolitre weight. Explain procedure for determination of Hectolitre weight of wheat.* (3+7=10)
- Q.No. VI* (i) *What do you mean by rat behavior ? Explain chemical method of rat control.* (5+5=10)
- (ii) *Define the following :-*
 (a) *Bait* (b) *Poision shyness*
 (c) *Rodent proofing* (d) *Anticoagulants. (2 ½ x4)*
- Q.No.VII* (i) *Define fumigants. What is an ideal fumigant?* (3+7=10)
- (ii) *Write mode of action of malathion.* (10)
- Q.No.VIII* *Define the following :-*
 (i) *Dose* (ii) *Dosage* (iii) *Diffusion*
 (iv) *Antidotes* (v) *Stack card* (vi) *Dunnage*
 (vii) *Gluten* (viii) *Aeration* (ix) *MSP*
 (x) *Chalky grains.* (2x10=20)
- Q.No. IX* *Write short note on the following:-*
 (i) *Mycotoxins* (ii) *Aluminum phosphide (ALP)*
 (iii) *Hidden infestation* (iv) *IGMRI* (5x4=20)
- Q.No.X* (i) *Define and classify Pests. Describe the life cycle of pests.* (3+3+4=10)
- (ii) *Write scientific name, order and family of Rice Weevil. What are its identification?* (2+2+2+4=10)
