

[This question paper contains 2 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 1928

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Unique Paper Code : 2202032402

Name of the Paper : Poultry and Egg Processing Technology

Name of the Course : **B.Sc. (H) Food Technology-NEP**

Semester : IV

Duration : 3 Hours

Maximum Marks : 90

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt any **five** questions in all.
3. Question No. **1** is compulsory.
4. **All** questions carry equal marks.

1. Answer the following question briefly : (6×3=18)

- (a) Cannibalism
- (b) Status of egg industry
- (c) Value-added egg products
- (d) Water Holding capacity of chicken meat
- (e) Brooding management of chicks
- (f) Haugh Unit
- (g) Factors affecting egg quality
- (h) Egg proteins

2. (a) Explain the HACCP model for poultry slaughter and describe the critical control points involved. (10)

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- (b) Explain different storage methods used to maintain egg quality. (8)
3. Write short notes on the following (**any three**) : (3×6=18)
- (a) Discuss the role of poultry industry in national economy.
 - (b) Discuss the primary processing steps of poultry with a flow diagram.
 - (c) What is layer poultry?
 - (d) Define thermostabilization of eggs.
4. Differentiate between the following (**any three**) : (3×6=18)
- (a) Scalding and Singeing
 - (b) Primary processing and Tertiary processing of poultry
 - (c) Shelled Egg Preservation and Egg Processing
 - (d) Egg Candling and Egg Grading
5. Describe and Draw the flowchart (**any two**) : (2×9= 18)
- (a) Manufacturing process of egg powder.
 - (b) Poultry slaughter.
 - (c) Preparation of chicken nuggets (enrobed poultry products).
6. (a) Illustrate how a hen's feed and environmental conditions affect the internal and external quality of a shell egg. (8)
- (b) Discuss the procedures and critical significance of ante-mortem and post-mortem inspection in poultry processing. How do these inspections ensure the safety and quality of the final meat product? (10)