

This question paper contains **3** printed pages]

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S. No. of Question Paper : **5590**

Unique Paper Code : **2202032402**

Name of the Paper : **Poultry and Egg Processing Technology**

Name of the Course : **B.Sc. (Hons) Food Technology, NEP UGCF**

Semester : **IV, (Core)**

Duration : **3 Hours**

Maximum Marks : **90**

(Write your Roll No. on the top immediately on receipt of this question paper.)

Attempt *five* questions in all.

All questions carry equal marks.

1. Answer the following questions briefly (any *six*) :

6×3=18

(a) Hot scalding

(b) Cryoprotectants

(c) Cannibalism

(d) Water holding capacity of meat

(e) Haugh Unit

(f) Rigor mortis

(g) Deep pectoral myopathy.

P.T.O.

2. (a) Discuss post and ante-mortem inspection of poultry with significance. 9
(b) Discuss poultry industry in India and its need in nations economy. 9
3. Write short notes on the following (any *three*) : 3×6=18
(a) Emulsification capacity of meat
(b) Force molting
(c) Housing and equipment for layers
(d) Enrobed poultry products.
4. Differentiate between the following (any *three*) : 3×6=18
(a) Dip coating and spray coating of whole eggs
(b) External and internal egg quality
(c) PSE and DFD
(d) Powdered egg and frozen egg product.
5. (a) Describe various meat byproducts. 9
(b) Elaborate the functional properties of eggs and highlight their role in development of value-added products. 9
6. (a) Different color problems can be seen in fresh and cooked meat. Elucidate color defects in fresh meat. 9
(b) What factors influence egg quality, and how are shell eggs graded ? 9

7. (a) Elaborate the statement, "Success in egg production is dependent on poultry farmers ability to raise strong healthy pullets and keep the stresses of diseases and parasite to minute". 9
- (b) You are establishing your own ready to eat chicken based product plant. Elucidate detailed outline of processing of ready to cook chicken breast fillet and prepare generic HACCP model for the same. 9