

5530

4

6. (a) Explain the role of food recall and food traceability in preventing foodborne hazards. (10)
- (b) Elucidate food quality management functions in the food production chain. (8)

(300)

[This question paper contains 4 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 5530

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Unique Paper Code : 2202032401

Name of the Paper : Food Quality Management

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

Semester : IV (Core)

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 **five** questions in all.
3. **Question No. 1** is compulsory to attempt.
4. All parts of the question should be attempted **together.**

P.T.O.

5530

2

1. Write short notes on the following: (any 3)(6x3=18)

(a) Food quality perception

(b) Heterocyclic amines (HCAs)

(c) Food recall

(d) Nitrosamines

2. Justify the following statements: (any 3) (6x3=18)

(i) "Microplastics" a threat to the environment as well living beings.

(ii) Chlorinated pesticides are persistent.

(iii) Hypersensitivities from food additives are increasing globally.

(iv) Food traceability system enhances safety, sustainability and transparency in model food supply chain.

5530

3

3. (a) Evaluate the role of core developments in food quality management in maintaining food safety. (10)

(b) Enlist food quality attributes. What are the functions of food quality? Explain with suitable examples. (8)

4. Answer the questions briefly.

(a) Discuss the importance of Quality Assurance (QA) in the food industry. (6)

(b) How do Bisphenol-A affect food safety? (6)

(c) Explain the difference between food safety and food quality with suitable examples? (6)

5. (a) Describe the Techno Managerial Approach in food quality management. (8)

(b) Explain how persistent organic pollutants (PAHs, VOCs) and autoxidation products affect food quality and public health. (10)

P.T.O.