

6. (a) Persistent Organic Contaminants (POCs) pose a significant risk to food safety and environmental health. Explain. (10)
- (b) What is food quality management? Discuss the Techno-managerial approach used in food industry. (8)

[This question paper contains 4 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 1809 L

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. **All** parts of the question should be attempted together.

1. Answer briefly (2-3 lines). (**Any nine**) (2×9=18)

(i) 3-MCPD

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- (ii) TQM
 - (iii) Microplastics
 - (iv) Acrylamides
 - (v) PBB
 - (vi) Reactive Oxygen Species
 - (vii) Food Contamination
 - (viii) Hazard
 - (ix) Bisphenol A
 - (x) Quality design
2. Write short notes on: (**Any three**) (6×3=18)
- (a) Core developments in FQM
 - (b) Food contaminants from food processing and packaging
 - (c) Quality Management functions
 - (d) Volatile Organic Compounds in food

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3. Differentiate between: (**Any three**) (6×3=18)
- (i) Quality Control and Quality Assurance
 - (ii) Food recall and food traceability
 - (iii) Furans and Methyl furans
 - (iv) PAH's and PBB's
4. (a) How quality dimensions are relatable to product quality? (6)
- (b) Why Incinerators are banned in India. Comment. (6)
- (c) Endocrine disruptor poses a threat to living beings. Comment. (6)
5. (a) Describe the quality concept model which influences the quality of food. (8)
- (b) Discuss the emergence of veterinary residues leading to AMR in the food chain. Explain how food production contributes to this issue. (10)

P.T.O.