

2023

**FOOD PROCESSING & QUALITY
MANAGEMENT/FOOD PROCESSING
TECHNOLOGY**

Paper : FPM/FPT-VC-3026

(Food Quality Assurance)

Full Marks : 60

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

1. Answer the following questions : 1×7=7

(a) ISO 9001 has how many clauses?

(i) 5

(ii) 6

(iii) 9

(iv) 10

(Choose the correct option)

(b) The basic operational and environmental conditions applied to produce safe foods are called

(i) HACCP

(ii) FSSA

(iii) FSSAI

(iv) GMP

(Choose the correct option)

(c) Write the full form of HACCP.

(d) Which ISO standard is often used for food safety management system?

(i) ISO 9001

(ii) ISO 14001

(iii) ISO 22000

(iv) ISO 27001

(Choose the correct option)

(e) What does SPC stand for?

(f) What is meant by shelf life in the context of food products?

(g) Name one common allergen in food.

2. Answer the following questions : 2×4=8

(a) What does NABL stand for? What is the primary purpose of NABL accreditation? 1+1=2

(b) What do you mean by pest control? Write down different types of pest. 1+1=2

(c) What is a GRN? What information is typically included in a GRN? 1+1=2

(d) Write the full form of FIFO and FEFO. 1+1=2

3. Answer any *three* of the following questions : 5×3=15

(a) What is a quality circle? How do quality circles contribute to continuous improvement? 2+3=5

(b) Explain the role and significance of FSSAI in ensuring food safety in India.

(c) Explain the four stages of PDCA cycle and briefly describe their significance in continuous improvement.

(d) Explain the five steps of 5s methodology.

(e) Explain the key difference between corrective actions and preventive actions within the CAPA process.

4. Answer the following questions : $10 \times 3 = 30$

- (a) Explain the different types of audit of food industry.

OR

Explain the fundamental principles of HACCP systems and their significance in ensuring food safety.

$7 + 3 = 10$

- (b) Explain the concept of food recall in the context of food industry. Describe the importance of traceability system in food supply chain.

$5 + 5 = 10$

OR

Write notes on the following : $5 + 5 = 10$

- (i) 4M
(ii) Six Sigma
- (c) Define standard operating procedures and discuss their importance in various industries. Describe the key components of a well structured SOP.

$5 + 5 = 10$

OR

Write notes on the following : $5 + 5 = 10$

- (i) Quality Management Tools
(ii) Personal Hygiene
