



Avinashilingam Institute for Home Science and Higher Education for Women

Deemed to be University Estd. u/s 3 of UGC Act 1956, Category 'A' by MHRD (now MoE)

Re-accredited with 'A++' Grade by NAAC. CGPA 3.65/4, Category I by UGC

Coimbatore - 641 043, Tamil Nadu, India

Continuous Internal Assessment Test I – February 2025

Semester-II

Class:IM.Sc.

Time: 2Hours

Branch : Food Science and Nutrition

Max. Marks: 60

23MFNC09 Post Production Systems

Course Outcomes:

1. Learn about national and international agencies controlling food losses
2. Study about agents causing food losses
3. Understand the importance and methods of post-production techniques for foods
4. Gain knowledge in food processing and food conservation

Part A 6 x 1 = 6

Choose the Correct Answer

1. The term "food spoilage" primarily refers to: CO1K2
a) Nutritional degradation b) Physical damage to food
c) Loss of food quality due to microorganisms d) waste from food processing
2. The primary objective of post production technology in agriculture is to CO1K1
a) increase crop yield b) reduce post harvest losses
c) enhance food safety d) improve irrigation facilities
3. The role of Food Corporation of India. CO1K2
a. produce food grains b. store and distribute food grains
c. regulate food prices d. promote food exports.
4. The agents that causes aflatoxin contamination in stored grains? CO2K3
a) Fungi b) rodents c) bacteria d) viruses
5. The pest control method that combines biological, chemical and traditional CO2K3
practices.
a) Fumigation b) integrated pest management c) pesticides d) chemicals
6. The fumigant commonly used for grain storage? CO3K2
a) chlorine b) phosphine c) carbon monoxide d) sodium chloride

Part B

Answer ALL questions

Each answer should not exceed 400 words or two pages

3 x 6 = 18

- 7a. Outline the need for post production technology in india. (or) CO1K3
- 7b. Explain the role of microorganisms in food losses. CO2K2
- 8a. Briefly explain the role of SWC in controlling food losses.(or) CO1K3
- 8b. Describe the role of white revolution in transforming India from a milk deficient CO1K4
country to largest producer of milk
- 9.a. Brief on biological measures to control insects in food losses(or) CO2K3
- 9.b. Enumerate the importance of storage structures. CO2 K3

Part C

Answer ALL questions

3 x 12 = 36

Each answer should not exceed 800 words or four pages

- 10.a. Write in detail about the important measures adopted by the government to augment food production. CO1K4
- (or)
- 10.b Detail the role of SGCand FCI in promoting food security in India. CO1K3
- 11.a Classify the physical,chemical and biological measures to control rodents and birds CO2K3
- (or)
- 11.b Discuss about the traditional storage structures used for grains. CO3K2
- 12a. Characterize the role, challenges and prevention of food losses by pest control of India. CO1K3
- (or)
- 12b. What is fumigation? Classify fumigants and how it can be safely conducted in food storage facilities. CO3K3

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