



LOYOLA COLLEGE (AUTONOMOUS) CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – FOOD CHEMISTRY AND FOOD PROCESSING



THIRD SEMESTER – NOVEMBER 2024

PFP3ME01 – SUSTAINABLE FOOD MANAGEMENT

Date: 19-11-2024

Dept. No.

Max. : 100 Marks

Time: 01:00 pm-04:00 pm

SECTION A – K1 (CO1)

Answer ALL the questions

(5 x 1 = 5)

1 True or False

- a) Workflow is the set of tasks grouped in order into processes and the set of people or resources needed for those tasks, necessary to accomplish a given goal.
- b) Nutrition policies are unrelated to food security and do not impact the availability of nutritious food at the national level.
- c) Middlemen play a negligible role in the distribution process of goods and services.
- d) The primary role of NIFTEM is to promote food processing in India.
- e) India is net exporter of agricultural products but value addition of Indian product remains quite low.

SECTION A – K2 (CO1)

Answer ALL the questions

(5 x 1 = 5)

2 Answer the following

- a) List the four managerial skills at different organizational levels.
- b) State one key objective of a national nutrition policy.
- c) Define food costing.
- d) What is MoFPI?
- e) Define vertical integration.

SECTION B – K3 (CO2)

Answer any THREE of the following

(3 x 10 = 30)

- 3 Brief out on types of decisions and the decision-making process as an essential activity for performing the managerial role in the food industry.
- 4 How does climate change impact food security and what are the potential solutions to address this challenge?
- 5 Enumerate on the three types of flow and various types of channel distribution through which the producers sell their products to the consumers.
- 6 Explain in detail the facilities and expertise available at the Central Food Technological Research Institute and its contribution to the advancement of food processing technologies.
- 7 Explain the forward and backward linkages in the context of food manufacturing in India

SECTION C – K4 (CO3)

Answer any TWO of the following

(2 x 12.5 = 25)

- 8 Explain the levels of management in a food industry and discuss the various functions of the Board of Director and the Quality Supervisor in the company.
- 9 Discuss the impact of PDS on food security, the challenges it faces, and propose reforms that can

	enhance its effectiveness.
10	Elaborate on the impact of various pricing strategies on profitability in business.
11	Enumerate the challenges and performances of food security policies in India.

SECTION D – K5 (CO4)

	Answer any ONE of the following (1 x 15 = 15)
12	Summarize Fayol's principles of management for the operational and administrative functioning of an organization.
13	Design a supply chain management for an enterprise that integrates the important activities of procuring materials and services, transforming them into intermediate goods and final products and delivers them to customers.

SECTION E – K6 (CO5)

	Answer any ONE of the following (1 x 20 = 20)
14	Explore the reasons behind food wastage, its economic and environmental implications, and propose strategies to minimize food waste throughout the supply chain.
15	Explain the overall view of any four central industries involved in food processing. Discuss the nature of work carried out by these organizations.
