

Mge. Nutrition
& Dietetics, 9/12/25
3rd Sem.
Roll no.....
2025

Centre for Nutrition and Dietetics
School of Interdisciplinary Sciences and Technology
Jamia Hamdard, New Delhi – 110062
M.Sc. Nutrition and Dietetics (Batch-24-26)
End Term Examination, Semester- III, December, 2025
Paper Title: Advance Nutrition-I; Paper Code: MDNCC-301

Duration: 2:30 Hours

Max Marks: 60

Note: write to the point, please make sure you have mentioned question no. before answering

SECTION-A

Q. no- I. Attempt any five from the following questions:

(2 marks each; 2X5=10marks)

1)	What is the difference between functional food and nutraceuticals?	(CO-1,2,3 PO-2,3)
2)	Define fortification? What are the advantages of fortifying wheat flour?	(CO-2,3 PO-2,3)
3)	Differentiate between triangle test and duo-trio test.	(CO-2,3 PO-2,3)
4)	How will you improve Nutritional quality of diet?	(CO-2,3 PO-2,3)
5)	Define Bioavailability. Mention the Diet-related factors in plant foods that affect Bioavailability.	(CO-2,3 PO-2,3)
6)	Give the factors which need to be considered for management of emergencies.	(CO-2,3 PO-2,3)

SECTION-B

Q. no-II. Attempt any five of the following questions:

(5 marks each; 5X5=25 marks)

1)	What is the relation between RQ of diet and high altitude?	(CO-2,3 PO-2,3)
2)	Explain the important food quality attributes.	(CO-1,2,3 PO-2,3)
3)	Write an overview of stages in new product development.	(CO-1,2,3 PO-1,2,3)
4)	What are the Effects of non-competitive interactions involving organic substances on nutrient bioavailability in plant foods: enhancing factors?.	(CO-2,3 PO-2,3)
5)	Give classification of functional foods.	(CO-2,3 PO-2,3)
6)	Write a note on Medicinal role of traditional herbs in managing NCD's.	(CO-1 PO-2,3)

SECTION-C

Q. no- III. Choose and answer any two of the following questions:

(12.5 marks each; 12.5X2=25)

1)	Describe the Nutritional Requirements for Space Missions.	(CO-1 PO-2,3)
2)	Define Sensory evaluation. Discuss its significance in food quality assurance and product development. Explain the different types of sensory tests with examples.	(CO-2,3 PO-2,3)
3)	Write in detail the role of functional foods in combating CVD's, Cancer and Diabetes.	(CO-1,2,3 PO-2,3)
4)	What do you understand by Dietary diversity. Describe the factors influencing the changing dietary pattern. What are the strategies to improve dietary pattern.	(CO-1,2,3 PO-1,2,3)