

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

MSc DEGREE EXAMINATION MAY 2024  
(Second Semester)

Branch – FOODS AND NUTRITION

ADVANCED NUTRITION – II

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(10 × 1 = 10)

Module No.	Question No.	Question	K Level	CO
1	1	Vitamin –A forms structure during digestion process is a) Micelles                      b) stomata c) granules                      d) droplets	K1	CO1
	2	Which vitamin is recycled in our body? a) Vit-A                              b) Vit-K c) Vit-C                              d) Vit-D	K2	CO1
2	3	Identify the vitamin which is essential for synthesis of ATP a) Niacin                              b) Thiamine c) Vit-K                              d) Vit-C	K1	CO2
	4	Pantothenic acid is essential for synthesis of a) CHO                                      b) Proteins c) fatty acids                              d) Minerals	K2	CO2
3	5	Find the abundant mineral stored in human body is a) Iron                                      b) Iodine c) Calcium                              d) Phosphorous	K1	CO3
	6	Osteoporosis is due to deficiency of a) Calcium                              b) Iron c) Magnesium                              d) Iodine	K2	CO3
4	7	Ragi is rich in a) Iodine                                      b) Iron c) Vitamin A                              d) Vitamin C	K1	CO4
	8	Which mineral is needed in large amount to human body? a) Iodine                                      b) Calcium c) Flourine                                      d) Thiamine	K2	CO4
5	9	Vitamins and Minerals are highly present in a) Vegetables and fruits b) Non-Vegetarian foods c) Cereals d) Milk Products	K1	CO5
	10	Carbohydrates are highly present in a) Milk products                      b) Fruits c) Grains                                      d) Sweets	K2	CO5

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**SECTION - B (35 Marks)**

Answer ALL questions

ALL questions carry EQUAL Marks (5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Explain the functions of Vitamin A.	K3	CO1
		(OR)		
	11.b.	Justify the uses of Vitamin K.		
2	12.a.	Choose the functions of Folate.	K4	CO3
		(OR)		
	12.b.	Analyse the Deficiency of Thiamine and Riboflavin.		
3	13.a.	Evaluate the digestion and absorption of Calcium.	K5	CO4
		(OR)		
	13.b.	Explain the uses of Phosphorous.		
4	14.a.	State the functions of iron.	K4	CO5
		(OR)		
	14.b.	Discuss on Deficiency of Vitamin A.		
5	15.a.	Classify Nutraceuticals based on food sources.	K5	CO5
		(OR)		
	15.b.	Differentiate between Probiotics and prebiotics.		

**SECTION -C (30 Marks)**

Answer ANY THREE questions

ALL questions carry EQUAL Marks (3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Analyse the interactions of fat Soluble vitamins with other nutrients.	K4	CO5
2	17	Elucidate on transport and storage of Vitamin C.	K5	CO6
3	18	Explain the sources of Magnesium and how it is digested & absorbed.	K4	CO5
4	19	Criticize on Zinc deficiency and Zinc toxicity.	K4	CO4
5	20	Assess the interactions between nutrients and gene.	K5	CO3

Z-Z-Z

END