

**PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)**

**MSc DEGREE EXAMINATION MAY 2025
(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	Name the effect of vitamin K toxicity in newborns. a) Autism b) Respiratory infections c) Jaundice d) Rickets	K1	CO1
	2	Show the deficiency diseases of Vitamin A during old age. a) Eye Problems b) Anemia c) Skin Problems d) All the Above	K2	CO1
2	3	Which vitamin helps in preventing megaloblastic anemia? a) B9 & B12 b) B12 & B6 c) B6 & B1 d) B2 & B9	K1	CO1
	4	Identify the effect of maternal deficiency of Vitamin B9 in the New Born. a) Neural tube defects b) Jaundice c) Low birth weight d) Respiratory Problems	K2	CO1
3	5	What is the optimum blood calcium phosphorus ratio in adults? a) 2.5:1 b) 1.2:1 c) 1.5:1 d) 2:1	K1	CO4
	6	Infer on magnesium with its antagonistic inverse relationship with other mineral. a) Calcium b) Phosphorus c) Potassium d) Zinc	K2	CO4
4	7	What will occur due to excessive copper deposition? a) Calciphylaxis b) muscle calcification c) Wilsons Disease d) Bone Pain	K1	CO1
	8	Interpret the RDA of Iron for Indian pregnant women in her third trimester as per 2024. a) 25mg b) 27 mg c) 30mg d) 32 mg	K2	CO2
5	9	Choose the prebiotic foods. a) Garlic b) Flax Seed, & Fenugreek, c) Wheat bran d) All the Above	K1	CO5
	10	Why turmeric has an important role in treating cancer ? a) Flavonoids b) Curcumin c) Zingiberne d) Sesquiterpenes	K2	CO5

Cont...

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.	Analyze the function of Vitamin A in improving human Health.	K3	CO1
		(OR)		
	11.b.	Inspect the Interactions of Vitamin E with various nutrients.		
2	12.a.	Summarize the mechanism of action of Folate.	K2	CO3
		(OR)		
	12.b.	Explain the effects of Niacin deficiency.		
3	13.a.	Categorize the sources and functions of Phosphorus.	K4	CO2
		(OR)		
	13.b.	Examine the mechanism of action of Magnesium in humans.		
4	14.a.	Illustrate the Digestion and absorption of Zinc.	K2	CO3
		(OR)		
	14.b.	Interpret the effects of Iodine deficiency.		
5	15.a.	Compare Probiotics and Prebiotics.	K4	CO5
		(OR)		
	15.b.	Inspect the effect of physical activity and alcohol in gene interactions.		

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	Simplify the digestion, absorption, transport and storage of Vitamin A.	K4	CO4
2	17	Assess the metabolism and excretion of Vitamin C with its Deficiency Diseases and RDA.	K5	CO3
3	18	Examine the digestion, absorption, metabolism and storage of Calcium.	K4	CO4
4	19	Evaluate the Steps from ingestion to excretion of iron.	K5	CO4
5	20	Analyze on Nutraceuticals.	K4	CO5

Z-Z-Z

END