

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

**MSc DEGREE EXAMINATION DECEMBER 2025  
(First Semester)**

**Branch – CLINICAL NUTRITION & DIETETICS**

**MEDICAL DIETETICS - I**

Time: Three Hours

Maximum: 75 Marks

**SECTION-A (10 Marks)**

Answer ALL questions

ALL questions carry EQUAL marks

(10 × 1 = 10)

Question No.	Question	K Level	CO
1	The primary role of a dietitian in hospitals is to: a) Perform surgeries b) Provide nutrition care and diet therapy c) Prescribe medicines d) Manage billing	K1	CO1
2	The most common short-term enteral feeding route is: a) Gastrostomy b) Jejunostomy c) Provide nutrition care and diet therapy d) Total parenteral nutrition	K2	CO1
3	Which artificial sweetener is considered safe for diabetic patients? a) Aspartame b) Sucrose c) Glucose d) Fructose	K1	CO2
4	Addison's disease results from: a) Excess insulin secretion b) Insufficient cortisol and aldosterone production c) Overproduction of thyroid hormones d) Excess adrenaline	K2	CO2
5	Essential hypertension refers to: a) Hypertension with no identifiable cause b) Hypertension due to kidney disease c) Hypertension caused by hormonal imbalance d) Hypertension due to medication use	K1	CO3
6	Which cardiac enzyme is most specific for diagnosing myocardial infarction? a) Lipase b) Troponin c) Amylase d) Creatinine	K2	CO3
7	Hepatic encephalopathy is mainly caused by accumulation of: a) Ammonia b) Sodium c) Lactate d) Urea	K1	CO4
8	Which disorder is characterized by a gastrin-secreting tumor causing excess gastric acid production? a) Cirrhosis b) Zollinger-Ellison syndrome c) Hemochromatosis d) Biliary dyskinesia	K2	CO4
9	Which nutrient needs are increased in cystic fibrosis? a) Fat-soluble vitamins (A, D, E, K) b) Vitamin C only c) Iron and folate d) Sodium and zinc only	K1	CO5
10	The main dietary intervention for food allergy is: a) Ketogenic diet b) Elimination diet c) High-protein diet d) Low-residue diet	K2	CO5

Cont...

**SECTION - B (35 Marks)**

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

Question No.	Question	K Level	CO
11.a.	Explain the importance of ethics and professionalism in dietetic practice.	K4	CO2
	(OR)		
11.b.	Explain the steps involved in the Nutrition Care Process (NCP).	K4	CO4
12.a.	Compare the clinical features of hypo- and hyperthyroidism.		
	(OR)	K4	CO4
12.b.	Differentiate the nutritional management between Addison's disease and Cushing's syndrome.		
13.a.	Explain the role of the DASH diet in managing hypertension.	K5	CO4
	(OR)		
13.b.	Appraise the efficiency of spices and herbal formulations in cardiovascular disease management.	K3	CO5
14.a.	Compare Wilson's disease and hemochromatosis in terms of etiology and dietary care.		
	(OR)	K6	CO3
14.b.	Evaluate the role of nutritional care in acute and chronic pancreatitis.		
15.a.	Explain the role of omega-3 fatty acids in managing rheumatoid arthritis.	K6	CO3
	(OR)		
15.b.	Summarize the differences between Type I and Type IV hypersensitivity reactions with examples.		

**SECTION - C (30 Marks)**

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

Question No.	Question	K Level	CO
16	Critically analyse the principles, solutions, administration, and complications of parenteral nutrition, with emphasis on refeeding syndrome.	K4	CO1
17	Depict the etiology, symptoms, diagnostic tests, medical management, and dietary management of Diabetes Mellitus.	K6	CO2
18	Critically evaluate the nutritional care of congestive cardiac failure, focusing on sodium restriction, fluid balance, and prevention of cardiac cachexia.	K5	CO3
19	Explain the etiology, pathogenesis, complications, and nutritional management of cirrhosis with emphasis on protein and sodium modifications.	K4	CO4
20	Predict the nutritional care in AIDS across different stages of disease progression, with emphasis on energy, protein, micronutrients, and complementary therapies.	K5	CO5