

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

MSc DEGREE EXAMINATION MAY 2024  
(Second Semester)

Branch – CLINICAL NUTRITION AND DIETETICS

**MEDICAL DIETETICS - 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	Identify the biochemical feature of refeeding syndrome. a) hypophosphatemia b) hyperphosphatemia c) hyperkalaemia d) hyperinsulinemia	K1	CO1
	2	What is the most common carbohydrate used for TPN? a) Lactose b) Dextrose c) Invert Sugars d) Fructose	K2	CO1
2	3	Find the symptom of Ulcerative Colitis. a) Bloody Diarrhea b) Diarrhea with pus and mucous c) Explosive Diarrhea d) All the Above	K2	CO2
	4	Which among the following is an autoimmune disorder? a) Steatorrhoea b) Celiac Disease c) Tropical Sprue d) Crohn's Disease	K2	CO2
3	5	Find the person who is at the highest risk? a) Lean Men with abdominal fat b) Women with Pear shaped Obesity c) Person with Ponderal index 12 d) Both a & C	K2	CO5
	6	Calculate the BMI for the person weighing 102 kg and Height 163cm. a) 32.5 b) 34.5 c) 38.5 d) 39.5	K3	CO5
4	7	Which kidney disease is known to be inherited? a) Polycystic kidney disease b) Protein Disease c) Auto immune kidney disease d) End-Stage Renal Disease	K1	CO2
	8	Patient with kidney disease must manage fluid intake because fluid a) Retention can cause swelling and weight gain b) Affects blood pressure c) Overload can result in heart trouble d) All the above	K2	CO5
5	9	Which of these factor increase the risk for lung cancer? a) Saturated Fat b) High dose of beta carotene supplements c) Obesity d) Alcohol	K2	CO2
	10	Diets high in fibre have been proposed to protect against colorectal cancer by which one of the following mechanisms? a) By antioxidant effect, which quenches free radicals b) By increased repair of damaged DNA c) By more rapid removal of potential carcinogens d) By increased induction of detoxifying enzymes	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.	Classify and compare different enteral access used in hospitals.	K4	CO1
	(OR)			
	11.b.	Explain the metabolic responses of body to the stress.		
2	12.a.	Prove the importance of nutrition therapy during post operative stages of gastric and intestinal surgeries.	K5	CO2
	(OR)			
	12.b.	Outline the types, causes and role of diet in preventing constipation.		
3	13.a.	Justify the role of Nutrition Education and counselling in weight reduction.	K5	CO5
	(OR)			
	13.b.	Explain the structure of adipose tissue.		
4	14.a.	Sketch down the process of haemodialysis.	K4	CO2
	(OR)			
	14.b.	Discuss about urolithiasis.		
5	15.a.	Defend about various carcinogens of our environment.	K5	CO5
	(OR)			
	15.b.	Recommend a nutrition therapy for cancer survivors.		

**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	Elaborate note on parenteral nutrition.	K4	CO1
2	17	Enumerate the mechanism of defence, types, aetiology, symptoms and dietary management of ulcer.	K4	CO2
3	18	Demonstrate the surgical procedures done for weight reduction.	K5	CO5
4	19	Construct and compare the difference in diet plan for acute and chronic kidney disease.	K6	CO2
5	20	Prioritize the various treatment of cancer for speedy recovery.	K5	CO5