

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

MSc DEGREE EXAMINATION MAY 2024  
(First Semester)

Branch - CLINICAL NUTRITION AND 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)

Module No.	Question No.	Question	K Level	CO
1	1	..... is a trace element is given through TPN formula for children. a) zinc sulphate                      b) copper sulphate c) Aquamine                              d) magnesium sulphate	K1	CO1
	2	Full fluid diet gives ..... kcal. a) 1200              b) 1800              c) 1900              d) 1500	K2	CO1
2	3	Antidiabetes drugs decreases with use of ..... a) Curry leaves                      b) fenugreek c) cumin                                  d) Fish	K1	CO2
	4	In chronically deficient patients, this abnormality is directly related to the enlargement of the thyroid gland. a) Impaired conversion of T3 and T4 b) Reduced activity of thyroperoxidase c) Elevated levels of TSH d) An antibody that binds to the TSH receptor in the thyroid gland	K2	CO2
3	5	What do you understand about Ischemia? a) restriction of blood supply to tissues b) Overflow of blood to tissues c) Inadequate deoxygenated blood carrying veins d) shortness of breath	K1	CO3
	6	What is considered stage 1 high blood pressure? a)90/70mmHg              b) 100/80 mmHg c) 180/80 mmHg              d) 140/90 mmHg	K2	CO3
4	7	A 35 year old man came to the hospital with malaise, anorexia, weight loss, upper abdominal discomfort, tender hepatomegaly, and fever. If he is an alcohol abuse for weeks or months what is the most likely diagnosis? a) Steatosis of liver              b) Cirrhosis c) Hepatitis                              d) jaundice	K1	CO4
	8	The disease associated with gall bladder is a) Nephritis                              b) gout c) cholecystitis                              d) tumour	K2	CO4
5	9	When a person gets osteoarthritis of the hip, where else might the pain show up? a) arm              b) groin              c) shoulder              d) thigh	K1	CO5
	10	_____ is the symptom of COPD. a) seizures                              b) convulsions c) breathing difficulties              d) coma	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.	List the role of dietitian in hospital.	K4	CO1
	(OR)			
	11.b.	Categorize the policies of different professional bodies of nutrition & dietetics.		
2	12.a.	Justify how drug and exercise play an important role in maintaining glucose level?	K5	CO2
	(OR)			
	12.b.	Compare the dietary changes for hyper and hypothyroidism.		
3	13.a.	Choose the whole plant based foods and mention how it is benefitted for CVD.	K5	CO3
	(OR)			
	13.b.	Explain the cause and symptoms of atherosclerosis.		
4	14.a.	Formulate a special diet for alcoholic liver disease.	K6	CO5
	(OR)			
	14.b.	Plan a menu for the gall bladder disease and list the foods to be avoided.		
5	15.a.	Examine the ketogenic diet for epilepsy.	K4	CO5
	(OR)			
	15.b.	List the gluten free food and how it suits for celiac disease.		

**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	Compare the enteral and parenteral nutrition based on condition prepare a feed with nutrient calculation.	K4	CO5
2	17	Explain the metabolism and complication of type 2 diabetes mellitus.	K5	CO2
3	18	Create a menu for the CHD and hypertension and explain their dietary intake based on their condition.	K6	CO3
4	19	Recommend the dietary requirement based on their risk factors and symptoms of Zollinger Ellison syndrome.	K5	CO4
5	20	Justify how nutraceuticals act as immune booster to prevent from diseases.	K5	CO5