

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION DECEMBER 2023
(First Semester)

Branch- **CLINICAL NUTRITION AND DIETETICS**
CONTEMPORARY NUTRITION

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	Spell the main nutritional problem facing in emergency condition. a. Cancer b. Hepatitis c. Acute malnutrition d. Tuberculosis	K1	CO1
	2	Show the natural phenomenon that cannot be predicted accurately. a. Volcanoes b. Earthquakes c. Cyclones d. Thunderstoms	K2	CO1
2	3	Find the diet that should be taken high during air travelling. a. Carbohydrates b. Protein c. Fats d. Vitamins	K1	CO2
	4	Show the physiologic change that help to maintain tissue oxygen delivery and human performance in the setting of hypobaric hypoxemia. a. Dehydration b. Hydration c. Sedation d. Acclimatization	K2	CO2
3	5	The interaction between genes and nutrition refers to a. Nutrigenomics b. Nutrigenetics c. Epigenetics d. proteomics	K1	CO3
	6	The key genetic enables of Nutrigenomics is a. Mutation b. Transcription c. Single nucleotide polymorphism d. Plasmid	K2	CO3
4	7	During Covid-19, the increased requirement of zinc, vitamin C and vitamin D is to maintain the well-functioning of which of the following system? a. Skeleton b. Muscular c. Cardiovascular d. Immune	K1	CO4
	8	In covid-19, Which steroids are used to reduce the inflammatory overdrive? a. Anabolic steroids b. Corticosteroids c. Androgenic steroids d. Topical steroids	K2	CO4
5	9	Recall the act of collecting ideas through the contribution of a large group of people is a. Crowd funding b. Crowd sourcing c. Crowd fielding d. Crowd holding	K1	CO5
	10	A detailed report of a person over a particular time period is summarized as a. Case scenario b. Case reflective c. Case story d. Case presentation	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.	Examine the nutritional and health problems during Tsunami.	K4	CO4
	(OR)			
	11.b.	Analyze the food distribution strategies to combat nutritional problems in emergencies.		
2	12.a.	Discuss the physiological changes in human body during sea travel.	K4	CO1
	(OR)			
	12.b.	Analyze the space physiology and dietary uptake for space flight.		CO2
3	13.a.	Determine the clinical applications of Nutrigenomics.	K5	CO3
	(OR)			
	13.b.	Explain about personalized nutrition.		
4	14.a.	Interpret the role of nutrients in immune promotion.	K5	CO4
	(OR)			
	14.b.	Explain the assessment of COVID-19 supply chain system.		
5	15.a.	Elaborate the note on Crowdsourcing with example.	K6	CO5
	(OR)			
	15.b.	Discuss the objectives and protocols of molecular nutrition.		

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	Recommend the nutrient requirement and dietary management during emergencies.	K5	CO4
2	17	Assess the nutritional problems of high altitude and recommend the dietary management to overcome the altitude sickness.	K5	CO2
3	18	Examine the nutritional genomic influences on metabolic processes and genetic expression.	K4	CO3
4	19	Analyze the food and nutritional recommendation based on WHO during self-quarantine and Covid-19 pandemic.	K4	CO4
5	20	Elaborate the ways used for the implementation of molecular nutrition technologies in the health professionals.	K6	CO5

Z-Z-Z END