

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION MAY 2024
(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	Choose the causes of floods in India. a) Deforestation b) Overpopulation c) High temperature d) Increasing transportation	K1	CO4
	2	Which is the excellent source of protein in preparing food rations? a) Dried fruits b) Vegetable oils c) Dried vegetables d) Corn flakes	K2	CO4
2	3	Which of the following is one that describes the psychological problems during space travel? a) Manic-depression b) Schizophrenia c) Acclimatisation d) Asthenization	K1	CO2
	4	During space travel, there is increased dietary sodium tends to associated with increased amount of _____ in the urine? a) Sodium b) Calcium c) Potassium d) Magnesium	K2	CO2
3	5	The heterogeneous response of gene variants to nutrients, dietary components and developing nutraceuticals is called a) Nutrigenetics b) Nutrigenomics c) Proteomics d) Epigenetics	K1	CO3
	6	Which has more impactful in changing behaviour and ultimate healthy outcomes by proper dietary habits? a) Community Nutrition b) Contemporary Nutrition c) Personalized Nutrition d) Functional Nutrition	K2	CO3
4	7	The viral coat of SARS-CoV-2 expresses a protein called a) MIKE b) HIKE c) PIKE d) SPIKE	K1	CO4
	8	In order to support individuals and families in eating healthily during self-quarantine and isolation, the WHO European Office for Prevention and Control of _____ has developed a list of "best food buys" a) Communicable diseases b) Non- Communicable diseases c) Transmissible diseases d) Infectious diseases	K2	CO4
5	9	Which follows the physical specifications of the human body and its metabolic processes, which take place inside the cells? a) Community Nutrition b) Personalized Nutrition c) Molecular Nutrition d) Contemporary Nutrition	K1	CO5
	10	Identify the method which is used to monitor the nutritional content of meals and measures the health results. a) Predictive analysis b) Data analysis c) Nutrient evaluation d) Nutritional examination	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.	Identify the measures to control the communicable diseases through immunization.	K3	CO4
	(OR)			
	11.b.	Plan and organise the public nutrition approach to tackle nutritional problems in emergencies.		
2	12.a.	Examine the nutrient requirements and dietary management during air travel.	K4	CO1
	(OR)			CO2
	12.b.	Analyse the nutritional problems and sickness in high altitude.		
3	13.a.	Explain the diseases are the chromosomal and molecular level.	K5	CO3
	(OR)			
	13.b.	Interpret on nutrient gene interactions.		
4	14.a.	Examine the probiotic and immune response during Covid-19.	K4	CO4
	(OR)			
	14.b.	Analyse the physiology of Covid-19.		
5	15.a.	Assess the role of data collection and automated analysis in molecular nutrition.	K5	CO5
	(OR)			
	15.b.	Explain the current implementation of molecular nutrition in nutrition companies.		

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	Assess the nutritional and health problems during emergency situations and measures to overcome that crisis.	K5	CO4
2	17	Evaluate the space physiology and recommend the dietary intake following with food system for space flight.	K5	CO2
3	18	Compare and contrast the genetic variability and cardiovascular disease.	K4	CO3
4	19	Analyse the role of specific nutrients in immune suppression and promotion.	K4	CO4
5	20	Elaborate the role of crowdsourcing and crowd funding in the implementation of molecular nutrition.	K6	CO5

Z-Z-Z

END