


Name:	
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, May 2022

Course: Human Nutrition
Program: M.Sc (Nutrition and Dietetics)
Course Code: HSND7003

Semester: IInd
Time: 03 hrs.
Max. Marks: 100

Instructions: Read question carefully.

SECTION A

S. No.	MCQ's /Fill in the blanks/ T&F (1.5 marks each)	30 Marks	CO
1	EAR stands for?	1.5	CO1
2	What is the age and BMI of reference men?	1.5	CO1
3	B ₂ is also known as_____.	1.5	CO1
4	Amresh height and weight is 5'6" and 68kg respectively. Calculate his BMI.	1.5	CO1
5	What is TUL?	1.5	CO2
6	Two examples of functional food.	1.5	CO2
7	Two examples of nutraceuticals.	1.5	CO2
8	What is GMO?	1.5	CO2
9	Folic acid is also known as B7 a. True b. False	1.5	CO3
10	Define the term nutrigenomics.	1.5	CO3
11	Name any two general principles used for deriving human nutrient requirement.	1.5	CO3
12	RDA, 2020 has considered nationally representative dataset from different agencies, name any two.	1.5	CO3
13	How much energy 1g of fat and protein yield?	1.5	CO4
14	Stunting is low weight for age a. True b. False	1.5	CO4
15	Wasting is low weight for height a. True b. False	1.5	CO4
16	Name the scientist who coined the term 'Nutraceutical'	1.5	CO5

17	Nutraceutical help in curing diseases a. True b. False	1.5	CO5
18	CNNS stands for_____ .	1.5	CO5
19	Recommended dietary intake= Requirement +.....	1.5	CO5
20	Mention any 4 factors affecting BMR.	1.5	CO5
SECTION B (5 marks each question)			
Q	Short Answer Type Question (5 marks each) Word limit (100-150)	20 Marks	CO
1	What is the purpose of Nutritional assessment?	5	CO1
2	What are the factors that affect RDA?	5	CO2
3	Define the term: 'Fortification' and 'Enrichment'.	5	CO3
4	How nutrition transition had affected health of an individual?	5	CO5
SECTION C 30 marks			
Q	Two questions 15 marks each subsections	30 Marks	CO
1	Highlight the recent trends in Nutrition and the factors contributing to those trends. OR Explain the mechanism of nutrient- nutrient (food-food) interaction impact on digestion, absorption and bioavailability. Quote suitable examples to support your answer.	15	CO2
2	Explain the different stages of Nutrition transition with suitable examples. OR Draw RDA, 2020 table for men, women, physiological conditions and infants. According to you what is the benefit RDA.	15	CO4
SECTION- D 20 marks			
Q	Long Answer type Questions (10 marks each) Word limit 200-250	20 Marks	CO
1	Discuss the different methods of nutritional assessment along with suitable examples.	10	CO3
2	How does infection affect immunity and nutritional status of the individual?	10	CO5