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Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-V • EXAMINATION - WINTER • 2014

Subject Name: Food Nutrition and Health			Date: 08-12-2014	
		30 am - 01.00 pm Total M	larks: 70	
	1. 2. 1	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.		
Q.1	(a)	Write down the dietary guidelines for infants and pregnant women.	07	
	(b)	Discuss briefly the role of various nutrients present in food with respect to human body.	07	
Q.2	(a) (b)	What is adulteration of food? Explain its causes. What is Basal Metabolism Rate (BMR)? State the factors affecting BMR.	07 07	
		OR		
	(b)	Discuss the kwashiorkor with its causes and symptoms.	07	
Q.3	(a)	Discuss the different functions of food.	04	
	(b)	Write the importance of 'Food Guide Pyramid'.	03	
	(c)	Describe any one water soluble vitamin respect to: i) sources ii) functions iii) deficiency disorders OR	07	
Q.3	(a)	State the classification food on the basis of shelf life and sources.	04	
Q.S	(b)	Differentiate between: Macro nutrients and Micro nutrients.	03	
	(c)	What are minerals? Explain any one mineral with respect to its sources, functions and deficiency diseases.	07	
Q.4	(a)	Define carbohydrates? Discuss the classification of carbohydrates.	07	
	(b)	Write short notes on:	07	
	. ,	i) Food supplementation		
		ii) Recommended Dietary Allowances (RDA) OR		
Q.4	(a)	What are proteins? Explain the classification of proteins with examples.	07	
	(b)	Discuss the nutritive value of 'animal based foods'.	07	
Q.5	(a)	Explain different types of adulterants with suitable examples.	07	
	(b)	What is food poisoning? Explain the food poisoning by chemicals.	07	
		OR		
Q.5	(a)	What is misbranding of foods? Explain the strategies to check misbranding.	07	
	(b)	Explain the procedure to detect the metanil yellow colour in pulses?	07	
