Seat No.: _____ **Enrolment No._____**

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER–V- EXAMINATION – SUMMER 2016

Subject Code: 151405 **Date: 17/05/2016**

Subject Name: Food Nutrition & Health (Institute Elective - II)

Time: 02:30 PM to 05:00 PM **Total Marks: 70**

Instructions:

1. **Attempt all questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**

Q.1	**(a)**	Discuss briefly the role of various nutrients present in food with respect to human body.	**07**
	(b)	Write short notes on: i) Kwashiorkor ii) Food fortification	**07**
Q.2	**(a)**	Explain the process of food digestion in human being.	**07**
	(b)	Explain control measures to prevent food poisoning caused by microorganisms.	**07**
		OR	
	(b)	What is adulteration of food? Explain its causes.	**07**
Q.3	**(a)**	What is Basal Metabolism Rate (BMR)? State the factors affecting BMR.	**07**
	(b)	What are minerals? Explain any one mineral with respect to its sources, functions and deficiency diseases.	**07**
		OR	
Q.3	**(a)**	What are anti-nutritional factors? Discuss any four anti-nutritional factors naturally present in food.	**07**
	(b)	Write the importance of Food Guide Pyramid and explain the various food groups placed it.	**07**
Q.4	**(a)**	Discuss functions, deficiency symptoms and sources of vitamin D in human nutrition.	**07**
	(b)	Write down the dietary guidelines for infants and pregnant women.	**07**
		OR	
Q.4	**(a)**	Explain the various chemical tests for detection of adulteration in food sample.	**07**
	(b)	What do you mean by Recommended Dietary Allowances (RDA)? Discuss factors affecting RDA.	**07**
Q.5	**(a)**	Discuss in detail the classification of food.	**07**
	(b)	Discuss the nutritive value of eggs and egg products.	**07**
		OR	
Q.5	**(a)**	What are carbohydrates? Discuss the classification of carbohydrates.	**07**
	(b)	Explain in detail food infection and intoxication	**07**

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