Seat No.:	Enrolment No.
Deat 110	Emoniem 10

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER V • EXAMINATION - WINTER - 2012

Subj	ect (code: 151405 Date: 23-01-2013	
•		Name: Food Nutrition and Health (Institute Elective- II)	
•		2:30 pm to 05:00 pm Total Marks: 70	
		ions:	
		Attempt all questions.	
		Make suitable assumptions wherever necessary.	
	3.	Figures to the right indicate full marks.	
Q.1	(a)	Answer the followings in short:	07
	()	i) Define: Protein Efficiency Ratio	
		ii) Mention the sources of Vitamin A.	
		iii) 'Eggs proteins are qualitatively best proteins' Justify.	
		iv) What is balanced diet?	
		v) Give the causes for Osteoporosis.	
		vi) What are macronutrients?	
		vii) Enlist any two examples of simple proteins.	
	(b)	Discuss the nutritional importance of 'Animal Based Foods'.	07
Q.2	(a)	Write short notes on:	07
		i) Food Guide Pyramid	
		ii) Basal Metabolism Rate (BMR)	
	(b)	Write the causes, symptoms and treatment of marasmus.	07
		OR	
	` ′	Define Anaemia. Discuss the causes and treatment of Anaemia.	07
Q.3		What do you mean by 'Food Adulteration'? Explain it with any five examples.	07
	(b)		04
		i) Perishable Foods and Non Perishable Foods	
		ii) Conventional foods and Non Conventional Foods	0.2
	(c)	1	03
		calcium.	
0.3	(-)	OR	07
Q.3		Explain fortification, supplementation, enrichment and restoration.	07
		Highlight the role of 'Fruits' and 'Vegetables' in human nutrition.	04
0.4		Write the sources and functions of Vitamin C.	03
Q.4	(a)	Define Food and discuss the importance of food in human life. How the putilities of requirement of an infent is different then adults? Explain	06
	(b)	How the nutritional requirement of an infant is different than adults? Explain.	04 04
	(c)	Write the properties and classification of vitamins on the basis of their solubility. OR	V4
Q.4	(a)		06
Ų.Ŧ	(a) (b)	What are the nutritional requirements of pregnant woman?	04
	(c)	1 0	04
Q.5	(a)		07
V.	(b)	•	07
	(6)	detail.	37
		OR	
Q.5	(a)	What are lipids? Discuss the classification of lipids.	07
	(h)	•	07
