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## **GUJARAT TECHNOLOGICAL UNIVERSITY**

BE - SEMESTER-V • EXAMINATION – SUMMER • 2014

	•	Code: 151401 Date: 17-06-2014	
Tir		Name: Design and Formulation of Food  0.30 am - 01.00 pm  Total Marks: 70 ons:	
	1. 2. 3.	Attempt all questions.  Make suitable assumptions wherever necessary.	
Q.1	(a) (b)	Explain the principles of menu planning process Describe the nutritional value of legumes and pulses	07 07
Q.2	(a) (b)	Write in detail about nutritional significance and advantages of fermented food Enlist specific points to be considered while planning a diet.  OR	07 07
	<b>(b)</b>	State various anti-nutritional factors found in foods with one example of each and write in detail about lathyrism	07
Q.3	(a)	Give significance of nutrition during adolescence and describe the factors affecting food choices of adolescents.	07
	<b>(b)</b>	Explain causes, symptoms and steps for prevention of protein energy malnutrition among pre-school children.  OR	07
Q.3	(a)	Give the nutritional requirements for a diabetic patient along with it's symptoms and write brief about various artificial sweeteners.	07
	<b>(b)</b>	Describe importance of nutrition for athletes before, during and after exercise	07
Q.4	(a) (b)	Describe the nutritional value of milk in relation to it's major constituents  Write a detailed note on egg white proteins  OR	07 07
Q.4	(a) (b)	Write a detailed note on processed products of rice.  Describe the food exchange list specified by National Institute of Nutrition.	07 07
Q.5	(a)	Enlist various Gastro-intestinal diseases. Explain causes and symptoms of various types of diarrhea and suggest diet for the same.	07
	<b>(b)</b>	Describe the preparation and preservation of microbial culture for fermented foods.	07
Q.5	(a)	OR  Define convenience foods. Write advantage of convenience foods and role of processing techniques and packaging trends in preparation of convenience	07
	<b>(b)</b>	foods. Justify why Mother's milk is considered as the best food for infant?	07

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