	Utech
Name :	
Roll No.:	To Space Of Exercising and Explana
Invigilator's Signature :	

## CS/BHM (OLD)/SEM-1/HM-106/2009-10 2009 FOOD SCIENCE & NUTRITION

Time Allotted: 3 Hours Full Marks: 70

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

## GROUP - A ( Objective Type Questions )

- 1. Give one word answer of the following:  $10 \times 1 = 10$ 
  - i) What is the richest plant source of protein?
  - ii) Who pioneered research in Nutrition in India?
  - iii) Which is the only term of carbohydrate found in plant products?
  - iv) Which is the main form of fat found in diet?
  - v) What is the minimum dietary intake of the fibre recommended American Dietetic Association ?

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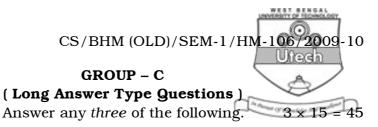
- vi) Which is the most important indicator of protein malnutrition?
- vii) Oxidation and Rancidity are commonly found in which fat ?
- viii) What is the other term used for Retinol?
- ix) 'D' vitamin prevents which common disease?
- x) Who discovered first microrganisms in food?

## GROUP – B ( Short Answer Type Questions )

Answer any *three* of the following.

- $3 \times 5 = 15$
- 2. Write a short note on factors of food.
- 3. Explain rancidity of fat.
- 4. What do you understand by Pellagra?
- 5. Write a note on obesity.
- 6. What is the nutritive and calorific value of 100 gm parboiled rice?

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- 7. Why is water called regulatory food? Write in brief the role of water in human system.
- 8. Define food. Discuss the various functions of food.
- 9. What do you mean by protista and micron? Discuss the role of micro-organisms in food industry.
- 10. What are the differences between fat and oil ? Discuss their importance in food.
- 11. Classify Vitamins. Discuss briefly the functions of Vitamins A, D and C.

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