



Name :

Roll No. :

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 × 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 microorganisms in food ?

GROUP – B
(Short Answer Type Questions)

Answer any *three* of the following. 3 × 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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GROUP – C

(Long Answer Type Questions)

Answer any *three* of the following. $3 \times 15 = 45$

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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