Name :	
Roll No. :	A Auror WE sound for East Excellent
Invigilator's Signature :	

CS / BHM / SEPARATE SUPPLE / SEM-6 / BHM-604C / 2011 2011

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

(Multiple Choice Type Questions)

- 1. Choose the correct alternatives for the following : $10 \times 1 = 10$
 - i) is considered as the father of modern nutrition.
 - a) William Shark b) Lavoisier
 - c) Funk d) Hopkins.
 - ii) Human physiology does not demand which of the following ?
 - a) Proper diet b) Nutritious food
 - c) Exercise d) Cellulose.

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CS / BHM/ SEPARATE SUPPLE / SEM-6 / BHM 604C/ 2011 Utech iii) The name of the organelle referred to as power house of the cell is

- a) endoplasmic reticulum
- b) ribosome
- c) mitochondria
- d) nucleus.
- iv) Essential fatty acids are
 - a) saturated in nature
 - b) monosaturated in nature
 - c) polyunsaturated in nature
 - d) none of these.
- v) Sodium helps to maintain
 - a) water balance b) acid-base balance
 - c) both (a) and (b) d) none of these.
- vi) Goitrogenic substances are present in
 - a) cabbage, cauliflower, radish, etc
 - b) iodized salt
 - c) meat, fish and poultry
 - d) sea foods.
- vii) Consumption of high fibre diet helps to prevent
 - a) constipation b) colon cancer
 - c) obesity d) all of these.
- viii) The response to protein calorie therapy is shown in
 - a) marasmus b) kwashiorkor
 - c) PEM d) VAD.

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ix)	Megaloblastic anaemia is associated with the deficiency of				
	a)	iron	b)	folic acid	
	c)	vitamin C	d)	vitamin B_{12} .	
x)	ICD	S was introduced in			
	a)	1960	b)	1970	
	c)	1975	d)	1980.	
GROUP – B					

(Short Answer Type Questions)

Write short notes on any *three* of the following $3 \times 5 = 15$

- 2. Nutritional components of food
- 3. Essential fatty acids
- 4. Malnutrition
- 5. Importance of dietary fibre
- 6. Mid-day meal programme.

GROUP – C (Long Answer Type Questions)

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

- 7. List the major determinants of nutrient requirements. What is meant by RDA ? How can we calculate it ? What are the goals behind estimating RDAs ?
 6 + 2 + 3 + 4
- 8. Define and classify carbohydrate. List some important functions of carbohydrate. Explain the mechanism of absorption of monosaccharide from the gastrointestinal tract.

6 + 4 + 5

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[Turn over

- 9. What do you mean by visible and non-visible fats 2 Classify lipids, giving examples. Enumerate the functions of lipids in the body.
 4 + 6 + 5
- 10. Define obesity. Mention the factors responsible for obesity. Mention the principles of dietary management to control obesity. 2+8+5
- 11. Write in brief the importance of different National Nutritional Programmes to combat malnutrition and ill-health. 15
