



Name : .....

Roll No. : .....

Invigilator's Signature : .....

**CS/HM/SEM-6/BHM-604C/2012**

**2012  
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.*

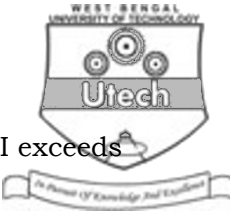
**GROUP - A**

**( Multiple Choice Type Questions )**

1. Choose the correct answers for the following :

10 × 1 = 10

- i) Limiting amino acid soybean is
  - a) Threonine
  - b) Lysine
  - c) Methionine
  - d) tryptophan.
- ii) NPU is highest in
  - a) egg
  - b) wheat
  - c) milk
  - d) fish.
- iii) The protein content of pulses is
  - a) 10% - 15%
  - b) 15% - 20%
  - c) 20% - 25%
  - d) 25% - 30%.
- iv) The main cause of Anemia
  - a) Chronic diarrhoea
  - b) Dietary iron deficiency
  - c) PEM
  - d) Hookworm infestation.



- v) An individual is called obese when BMI exceeds
  - a) 20
  - b) 25
  - c) 27
  - d) 30.
  
- vi) Which of the following is not the essential fatty acid ?
  - a) nicotinic acid
  - b) barachadonic acid
  - c) linoleic acid
  - d) linolinic acid.
  
- vii) Cholecystitis is a disease of
  - a) liver
  - b) gall bladder
  - c) colon
  - d) pancreas.
  
- viii) The mineral zinc is an essential constituent of an enzyme
  - a) lactase
  - b) carbonic anhydrase
  - c) succinic dehydrogenase
  - d) none of these.
  
- ix) Half of the vitamin K needed by human is manufactured in the
  - a) intestinal tract
  - b) liver
  - c) pancreas
  - d) gall-bladder.
  
- x) ..... is considered as the father of modern nutrition.
  - a) William Stark
  - b) Lavoisire
  - c) Funk
  - d) Hopkins.



**GROUP – B**

**( Short Answer Type Questions )**

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

2. Iodine Deficiency.
3. Malnutrition.
4. Beri Beri.
5. Balanced Diet.
6. Importance of Dietary fibre.

**GROUP – C**

**( Long Answer Type Questions )**

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

7. Define and classify CHO. Describe the functions of CHO. Explain mechanism of absorption of monosaccharide from the gastrointestinal tract.
8. Define energy and physiological fuel factors. Explain different components of energy requirement. Describe factors affecting BMR.
9. What is anemia ? What are the causes of iron deficiency Anemia ? Describe prevention procedure.
10. What do you mean by “Vitamins” ? Classify vitamins and list some important functions.
11. Briefly describe the different National Nutritional Programmes with its importance.