BHMCT
(SEM. II) EXAMINATION. 2006-07
NUTRITION

Time : 3 Hours] [Total Marks : 100

Note : (1) Attempt all questions.
       (2) All questions carry equal marks.

1 Explain the terms food, nutrients, nutrition and malnutrition. What are the physiological, social and psychological functions of food.  20

OR

1 What is BMR? Discuss the various functions for which energy is required by the body.

2 Write short notes : (any four)  4×6=24
       (a) Protein Energy Malnutrition
       (b) Biological value of protein
       (c) Obesity
       (d) Sources and functions of carbohydrates
       (e) Amino acids
       (f) Cellulose.

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3 Attempt any **two** parts : \(4 \times 6 = 24\)
   
   (a) How will you classify vitamins? Discuss function of vitamins A and E in the body.
   
   (b) What are the sources, functions and effects of deficiency of calcium ?
   
   (c) What are the losses on cooking and storage of carotene and thiamin ?

4 Attempt any **two** parts : \(4 \times 6 = 24\)
   
   (a) What are rickets, osteamelacie, osteoporosis, anaemia and goitre?
   
   (b) Discuss the sources, functions and deficiency of sulphur, potassium and zinc.
   
   (c) What is water balance? What are the sources and functions of water in the human body?

5 What are the effects of storages, pre-preparation \(2 \times 8 = 16\) and cooking on following nutrients : (any **two**)
   
   (a) Riboflavin
   
   (b) Fats
   
   (c) Proteins
   
   (d) Folic acid.