Roll No. ☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 02

Total No. of Questions : 09

B.Sc.(HMCT) (2014 to 2017 Batch)   (Sem.–1)

FOOD SCIENCE & NUTRITION
Subject Code : BSHM-107
M.Code : 12071

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.**

SECTION-A

1) **Define the following :**

   a) Proteins

   b) Health

   c) Vitamins

   d) Water

   e) Obesity

   f) BMR

   g) Hollow-Calorie Food

   h) Metabolism

   i) Energy Balance

   j) Malnutrition

SECTION-B

2)   Mention one function of each :

Calcium, Iron, Sodium, Iodine and Fluorine.

3)   Explain any 5 functions of water.

4)   Classify Proteins.

5)   What are the effects of excessive intake of carbohydrate in diet?

6)   Name two food sources of each :

Thiamine, Riboflavin, Niacin, Cyanocobalamin and Folic Acid

SECTION-C

7)   Classify Nutrients.

8)   Illustrate the basic structure of proteins. State the properties of proteins that are useful in various food preparations.

9)   What are fats and oils? Differentiate between them.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.