

Roll No. 

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Total No. of Pages : 02

Total No. of Questions : 09

B.Sc.(HMCT) (2013 to 2017 Batch) (Sem.-1)

**FOOD SCIENCE & NUTRITION**

Subject Code : BSHM-107

Paper ID : [C1107]

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****Q1) Explain the following :**

- a) Edema
- b) Rickets
- c) Retrogradation
- d) Hydrogenation
- e) Coagulation
- f) RDA
- g) Nutrition
- h) Starch
- i) Cholesterol
- j) Protein supplements

### SECTION-B

- Q2) What are the factors that affect texture of carbohydrates?
- Q3) What is Autoxidation of fats and oil?
- Q4) Explain basic structure and properties of protein.
- Q5) Give classification chart of nutrients with example of their types.
- Q6) What are the various factors affecting energy requirement?

### SECTION-C

- Q7) What are carbohydrates? Write down the dietary sources of carbohydrates. Also draw classification chart.
- Q8) Classify and explain proteins based on amino acid composition. Also write down various functions of protein.
- Q9) What are minerals? What are their types? Write food sources and uses of any five minerals.