



CBCS SCHEME

18BT753

Seventh Semester B.E. Degree Examination, Dec.2024/Jan.2025 Food Nutrition and Human Health

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. Explain concept of food. Explain the functions of food in terms of physiological, psychological and social relevance with example. (10 Marks)
- b. Explain the functions, dietary sources and clinical manifestation of Vitamin-D. (10 Marks)

OR

- 2 a. Describe the interrelationship of food, nutrition and health. (10 Marks)
- b. Write down the functions and dietary sources of Folic acid, Calcium, Iodine, Niacin and Thiamin. (10 Marks)

Module-2

- 3 a. Illustrate the concept of food pyramid. (10 Marks)
- b. Discuss the factors that influence eating behaviour at adolescence. Add a note on 2 eating disorders. (10 Marks)

OR

- 4 a. List the techniques used for measuring body composition? Explain in detail any two techniques. (10 Marks)
- b. Explain the physiological changes during Pregnancy. Add a note on nutritional needs during pregnancy. (10 Marks)

Module-3

- 5 a. What are the causes, symptoms, biochemical changes and clinical manifestation for Iron deficiency anemia? (10 Marks)
- b. Write a explanatory notes on :
(i) Congestive heart failure dietary management
(ii) Role of minerals in the diet in hypertension. (10 Marks)

OR

- 6 a. Define Obesity. Discuss the causes, complication, treatment and approaches to prevent obesity. (10 Marks)
- b. Write a explanatory notes on :
(i) Fluorosis (ii) Protein Efficiency ratio (10 Marks)

Module-4

- 7 a. Explain the nutrient losses during processing. Add a note on methods to minimize nutrient losses. (10 Marks)
- b. Discuss the nutritional component present in the cereals and nutritional changes during cooking. (10 Marks)