

U.G. 6th Semester Examination-2025**PHYSIOLOGY****[HONOURS]****Discipline Specific Elective (DSE)****Course Code : PHYSIOL-H-DSE-T-4****((Human Nutrition and Dietetics))****Full Marks : 40****Time : 2½ Hours***The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.***GROUP-A****1. Answer any five from the following questions:****2×5=10**

- a) What are essential amino acids?
- b) What is the effect of deficiency of dietary protein in children?
- c) What are the functions of fat in the body?
- d) What should be the proportion of fats, proteins and carbohydrates in the diet?
- e) What is inanition?

[Turn Over]

- f) Why folic acid deficiency is common in pregnancy?
- g) What are antivitamins? Give one example.
- h) What are the toxic effects of Vitamin A?

GROUP-B

2. Answer any two from the following questions:

$5 \times 2 = 10$

- a) Enumerate the factors affecting BMR.
- b) Write the nutritional importance of cereals and pulses.
- c) Write a short note on dietary fibre.
- d) State the dietary requirements of carbohydrates, proteins, lipids, iron and calcium for an adult man and an adult woman.

GROUP-C

3. Answer any two from the following questions:

$10 \times 2 = 20$

- a) Write the pathological causes, treatments and metabolism of obesity. $3+3+4=10$
- b) Prepare balanced diet charts for normal adult, woman, pregnant woman and lactating mother. $4+3+3=10$

- c) Describe the different types of space food used by the astronauts. 10
- d) State the importance of various vitamins in the body. 10