

U.G. 6th Semester Examination - 2022

PHYSIOLOGY

[HONOURS]

Discipline Specific Elective (DSE)

Course Code : PHYSIOL-H-DSE-T-4

(Human Nutrition and Dietetics)

Full Marks : 40

Time : $2\frac{1}{2}$ 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 partial and complete proteins?
- b) What should be the proportion of fats, proteins and carbohydrates in a balanced diet?
- c) What is the effect of deficiency of dietary proteins in children?
- d) What is inanition?
- e) What is the importance of carbohydrates in the diet?
- f) State the functions of vitamin A.

[Turn Over]

g) What is a balanced diet?

GROUP-B

2. Answer any **two** from the following questions:

5×2=10

- a) Write a note on dietary fibres.
- b) Enumerate the factors affecting BMR.
- c) What are the pathological causes of obesity?
- d) Give daily requirement of different vitamins.

GROUP-C

3. Answer any **two** from the following questions:

10×2=20

- a) State the importance of various minerals in the body. 10
- b) Write the difference between starvation and under nutrition. Discuss the metabolic, physiological and clinical changes that occur during starvation. 2+8=10
- c) Write the nutritional values of rice, curd and hilsa fish. 4+3+3=10
- d) Prepare a balanced diet chart for an adult, normal woman, pregnant woman and lactating mother. 4+3+3=10
