

PHYSIOLOGY

[HONOURS]

Course Code : PHYSIOL-H-CC-T-8

Full Marks : 20

Time : 1 Hour

The figures in the right-hand margin indicate marks.

Candidates are required to give their answers in their own words as far as practicable.

1. Answer any **five** questions: $1 \times 5 = 5$

- a) What do you mean by PEM?
- b) What are lipoproteins?
- c) What is transferrin ?
- d) Define Respiratory Quotient.
- e) State the function of Aconitase.
- f) What is fermentation?
- g) Write is the function of hexokinase?
- h) What is galactosemia ?

2. Answer any **one** question: $5 \times 1 = 5$

- a) Discuss the process and significance of Cori cycle. $4 + 1$

b) Discuss the functions and deficiency symptoms of Vitamin D. $3 + 2$

c) What are ketone bodies? Briefly discuss the process of ketogenesis. $1 + 4$

3. Answer any **one** question : $10 \times 1 = 10$

a) Discuss the reaction sequences and regulators of glycogenesis. 10

b) Define BMR. Discuss about different factors that control BMR of individual. 10

c) What is the function of lipoprotein lipase? Briefly discuss the process of beta oxidation of fatty acids. $2 + 8$
