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RNLKWC/B.Sc.-CBCS/IS/PHY/H/GE1T/22

2022

Physiology

[GENERIC]

(CBCS)

(B.Sc. First Semester End Examination-2022)

PAPER-GE1T

*Full Marks: 40*

*Time: 02 Hrs*

*The figures in the right hand margin indicate marks*

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

*Illustrate the answers wherever necessary*

1. Answer any five questions of the following: 5x2=10

- a) Define essential fatty acids with example.
- b) What is osmotic pressure?
- c) Define  $p^H$
- d) What is prosthetic group?
- e) What is hypoxia?
- f) What is procoagulants?
- g) Mention the function of haemoglobin.
- h) What is plasmapheresis?

2. Answer any four questions of the following: 4x5 = 20

- a) Classify enzyme with examples. 5

(2)

- b) What is aerobic glycolysis? Mention the importance of glycogenesis. 1+2+2
- c) State the different functions of plasma protein. What are the essential amino acids? 3+2
- d) Write briefly about cardiac cycle. 5
- e) Describe the digestion and absorption of carbohydrate. 3+2

**3. Answer any one question: 1x10 = 10**

- a) Describe the structure and functions of plasma membrane. Mention the functions of lysosome. 4+4+2
- b) What is erythropoiesis? Describe the steps of erythropoiesis. Write down the name the derivatives of haemoglobin. 2+6+2
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