

Total Pages-02

RNLKWC/B.Sc.-CBCS/IIIS/PHY/H/GE3T/22

2022

Physiology

[GENERIC]

(CBCS)

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

PAPER-GE3T

*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) What is iodine number?
- b) What is prosthetic group?
- c) What is antiperistalsis?
- d) What is anticoagulant?
- e) What is vital capacity?
- f) Write down the origin of second heart sounds.
- g) Mention the function of bile
- h) Define pH.

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

- a) Describe the structure and function of mitochondria.

$$2\frac{1}{2} + 2\frac{1}{2}$$

(2)

- b) Classify enzyme with proper example. 5
- c) Describe about the factors that control blood pressure. 5
- d) Write down the composition and function of lymph. 1+4
- e) State the role of chemoreceptor in blood pressure regulations 5
- f) Briefly describe about phospholipid? What is peptide bond? 3+2

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

- a) i) Distinguish diffusion and osmosis. What is glycosidic bond?  
ii) What is nucleoside? Describe the Watson- Crick model of double stranded DNA. (2+2)+(1+5)
  - b) i) Discuss in briefly different properties of cardiac muscle. What is SA node?  
ii) Write briefly about the ventricular events of cardiac cycle with proper diagram. (4+1)+5
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