

B.Sc. 3rd Semester Sessional Examination-2023

Sub: Zoology (HG/RC)

Paper: Physiology and Biochemistry

Paper Code: ZOO-HG/RC-3016

Full Marks: 20

Time: 1 Hr

The figures in the margin indicate full marks for the questions

1. Answer the following questions (**Any five**): 1×5=5
 - a. Name the enzymes of carbohydrate digestion in human.
 - b. The contact between a motor neuron and a muscle fibre is called.....
(**Fill in the blank**)
 - c. What is residual volume in Respiration?
 - d. Define Enzyme.
 - e. A voltage difference between the inside and outside of a nerve membrane is called.....(**Fill in the blank**)
 - f. Pharynx is the organ of digestive system. (**True/False**)
2. Write short notes on (**Any two**): 2½+2½=5
 - a. Enzyme Kinetics
 - b. Resting Membrane Potential
 - c. Structure of Neuron with diagram
 - d. Mechanism of Enzyme Action
3. Answer **any one** of the following questions: 1×10=10
 - a. Explain the mechanism of transport of Oxygen and Carbon dioxide in blood. 5+5=10
 - b. Define Inhibitor? Explain the roles of different types of Enzyme Inhibition. 2+8=10
 - c. What is Digestion? Explain the physiology of protein and fats digestion in Small Intestine. 2+4+4=10
