**6th Semester Sessional Examination- 2021**

**Sub- Zoology (General)**

**Paper- Physiology, Biochemistry and Endocrinology**

**Total Marks: 40**

***The figure in the margin indicates full marks***

All questions are Compulsory-

Q. 1. Why Protein and Lipid Digestion does not takes place in Mouth? Write the function of Ptyalin. 1+1+1=3

Q. 2. Explain blood as a buffer. 2

Q. 3. Explain the Oxygen-Haemoglobin dissociation curve. Write the difference between Bohr’s Effect and Haldane Effect. 3+2=5

Q. 4. Explain the role of Partial Pressure in Transportation of Oxygen (O2) and Carbon Dioxide (CO2) during Respiration. 2

Q. 5. Explain the role of Respiratory pigments found in vertebrates. 2

Q. 6. Explain the types of physiological solutions on the basis of solute concentration. 3

Q. 7. What is Enzyme? Explain the Mechanism of Enzyme Action. 1+4=5

Q.8. Write two merits of Arithmetic Mean. 1

Q.9. Write two demerits of Median? 1

Q. 10. What is the mode of the following series- 2,4,5,7,9,4,2,3,2,6,2,9,2 1

Q. 11. Define standard deviation. 2

Q. 12. Write four utilities of Biostatistics. 2

Q. 13. What is pH? What is the pH of pure water at 25ºC? 1+1=2

Q. 14. Write briefly about the histological structure of the Pituitary Gland. What are the hormones secreted by the pituitary glands? 5+4=9