

Date of Exam: 02.12.2020

Kishore Bharati Bhagini Nivedita College (Co-Ed.)
(Affiliated to the University of Calcutta)

2020

ZOOLOGY – HONOURS
(1+1+1 2009 Regulations)

Fourth Paper (Unit-I)

Full Marks : 50

Time : 2 Hrs.

The figures in the margin indicates full marks.

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

Send PDF of the Answer Script to **kbbnczoology@gmail.com**

Answer **question no. 1** and **any three** questions from the rest.

1. Write short notes on **any four** from the following: 5×4
 - a) Chloride shift
 - b) Neuro-muscular junctions
 - c) Electron transport chain
 - d) Transport of O₂ and CO₂ in mammals
 - e) Haemoglobin
 - f) Bohr and Haldane effect
 - g) Enzymes – Classes
 - h) γ -aminobutyric acid (GABA)

2. Describe the process of temperature regulation in cold desert. 10
3. Describe the process of Glycogenesis. 10
4. Describe the factors affecting enzyme action. 10
5. Write down the structure and function of neuro-transmitter: glutamate and dopamine. 5+5

6. Describe the process of skeletal muscle contraction. 10
7. Describe the origin and propagation of nerve impulse through nerves. 10
