



UNIVERSITY OF NORTH BENGAL

B.Sc. Honours 4th Semester Examination, 2021

CC9- ZOOLOGY

ANIMAL PHYSIOLOGY: LIFE SUSTAINING SYSTEMS

Full Marks: 40

ASSIGNMENT

*The questions are of equal value.
The figures in the margin indicate full marks.*

Answer any four of the following questions

10×4 = 40

1. Discuss the mechanical and chemical process of digestion of proteins.
2. Elucidate oxygen transport in blood with reference to oxygen haemoglobin dissociation curve.
3. Describe the intrinsic and extrinsic blood clotting mechanism.
4. Describe ABO blood group system and Rh factor emphasising on clinical importance.
5. Elucidate the sequence of events in cardiac cycle with suitable diagrams and add a note on intra-ventricular pressure changes during cardiac cycles.
6. Describe in detail the role of hypothalamus in regulation of body temperature.
7. With the help of suitable diagram describe the mechanism and hormonal control of hypertonic urine formation.
8. Discuss on the origin and conduction of cardiac impulse with a special note on the Ectopic pacemaker.

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