



UNIVERSITY OF NORTH BENGAL
B.Sc. Programme 3rd Semester Examination, 2020

DSC3-ZOOLOGY

PHYSIOLOGY AND BIOCHEMISTRY

Full Marks: 40

ASSIGNMENT

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

Answer any *four* questions from the following

10×4 = 40

1. Describe the mechanism of generation of action potential and its propagation in the non-myelinated neuron.
2. Describe the mechanism of transport of carbon dioxide in blood.
3. Describe the pathway of β -oxidation of palmitic acid.
4. Describe the Michaelis-Menten enzyme kinetics.
5. Describe the Glycolysis pathway in detail.
6. Discuss briefly Cardiac cycle.
7. Describe the histoarchitecture and function of adrenal gland.
8. Describe the mechanism of formation of concentrated urine.

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