



UNIVERSITY OF NORTH BENGAL

B.Sc. General Part-II Examination, 2021

ZOOLOGY

PAPER-V

ANIMAL PHYSIOLOGY, MOLECULAR BIOLOGY, BIOTECHNOLOGY AND BIostatISTICS

Full Marks: 50

ASSIGNMENT

The figures in the margin indicate full marks.

Answer any five of the following questions

10×5 = 50

1. Explain with suitable diagram the mechanism of conduction of the nerve impulse through synapse.
2. Explain the process of oxygen transport in blood.
3. Describe the main components of blood and their functions.
4. What are the different types of RNA's found in an animal cell? Briefly describe the structure and function of tRNA.
5. Describe in detail Griffith's experiment and interpretation with suitable diagrams.
6. Discuss the mechanism of the transcription in *E. coli* with illustrations.
7. Giving the definition of cloning, discuss on the beneficial and harmful effects of cell cloning.
8. Write on the mean, median, mode, standard error, and standard deviation.

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