



UNIVERSITY OF NORTH BENGAL

B.Sc. General Part-II Examination, 2021

ZOOLOGY

PAPER-IV

HISTOLOGY, DEVELOPMENTAL BIOLOGY, ENDOCRINOLOGY AND IMMUNOLOGY

Full Marks: 50

ASSIGNMENT

The figures in the margin indicate full marks.

Answer any five questions from the following

10×5 = 50

1. With suitable diagrams, describe the histological architecture of any one endocrine gland studied by you and mention the hormones and their functions secreted from the gland.
2. Describe the different types of placenta in mammals with suitable diagram.
3. Giving definition, classify hormones on the basis of their chemical nature citing examples.
4. Describe the process of sperm penetration and egg cortical reaction during fertilization in mammals with diagram.
5. Describe the process of formation of spermatozoa from spermatid with suitable diagrams.
6. Writing definition, describe the process of Gastrulation in Amphibia with diagrams.
7. Describe the different types of cells of the immune system and their functions with diagram.
8. Explain the principle of vaccination. Enumerate the active and passive immunization with examples.

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