



UNIVERSITY OF NORTH BENGAL
B.Sc. Honours 6th Semester Examination, 2021

DSE3-ZOOLOGY

Full Marks: 40

ASSIGNMENT

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

**The question paper contains two groups GROUP-A and GROUP-B.
The candidates are required to answer any *one* from *two* groups and
candidates should mention it clearly on the Answer Book.**

GROUP-A

MICROBIOLOGY

Answer any *four* of the following

10×4 = 40

1. Describe the Principles and modern approaches of bacterial taxonomy.
2. Describe briefly the structure and functions of bacterial cell wall with a note on structure of murein in *E. coli*.
3. Elaborate the distribution of normal flora in urinogenital tract.
4. Give detail of the structural organization of viruses.
5. Describe on the Communicable pathogens in human.
6. Discuss on Endemic, Epidemic, an outbreak, Pandemic and Sporadic with reference to the disease.
7. Elaborate the distribution of normal flora in intestinal tract.
8. Describe briefly Bacterial Chromosomes.

GROUP-B
PARASITOLOGY

Answer any four of the following

10×4 = 40

1. Describe the morphology, life cycle and pathogenicity of *Giardia intestinalis* giving suitable diagrams.
2. Elaborate on the prevalence, life cycle and pathogenicity of *Leishmania donovani*.
3. Describe the morphology and life cycle of *Schistosoma haematobium* giving relevant diagram.
4. Describe the life cycle of *Ascaris lumbricoides* with diagrams.
5. Describe the life cycle of *Wuchereria bancrofti* along with appropriate diagrams.
6. Describe the biology, medical importance and control of *Pediculus*.
7. Describe the biology, importance and control of *Flea*.
8. Describe the biology, importance and control of *Cimex*.

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