



UNIVERSITY OF NORTH BENGAL
B.Sc. Programme 4th Semester Examination, 2021

SEC1 (P2)-ZOOLOGY

Full Marks: 40

ASSIGNMENT

*The figures in the margin indicate full marks.
Candidates should answer in their own words and adhere to the word limit as practicable.*

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

GROUP-A

SERICULTURE

Answer any *four* questions from the following

10×4 = 40

1. Elaborate briefly different kinds of silkworm and its distribution and races.
2. Differentiate between Exotic and Indigenous races of silkworm with a note on mulberry and non-mulberry sericulture.
3. Explain with diagram the life cycle of *Bombyx mori*.
4. Explain the structure of silk gland and secretion of silk.
5. Describe the rearing house and rearing appliances used in sericulture.
6. Describe the methods of spinning, harvesting and storage of cocoons.
7. Describe the methods of selection of mulberry variety and establishment of mulberry garden.
8. Explain the silkworm diseases and its control.

GROUP-B

MEDICAL DIAGNOSTICS TECHNIQUES

Answer any *four* questions from the following

10×4 = 40

1. Briefly describe the composition of Blood.
2. Describe briefly the process of blood smear preparation and staining with a note on clinical significance of WBC count.
3. Describe briefly the method of Differential Leucocyte Count (D.L.C) using Leishman's stain.
4. Describe the procedure to determine the Erythrocyte Sedimentary Rate and Packed Cell Volume with their clinical significance.
5. Describe briefly the Causes, symptoms and prevention of Tuberculosis.
6. Describe briefly the Causes, symptoms and prevention of Hepatitis.
7. Describe briefly the Causes, symptoms and prevention of Diabetes-Type II.
8. Describe Physical characteristics and Abnormal constituents of urine.

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