



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

SEC4 (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 groups: 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. Give a detailed account of different kinds, distributions and races of silkworm.
2. With a suitable diagram explain the life cycle of *Bombyx mori*.
3. Write about the silk gland of *Bombyx mori* and its secretion.
4. Describe the methods of selection of mulberry variety and establishment of mulberry garden.
5. Describe the rearing house and rearing appliances used in sericulture.
6. Briefly discuss the steps involved in post cocoon processing.
7. Describe the chemical methods of disinfection in sericulture.
8. Give a detailed account of the silkworm diseases and its control.

GROUP-B

MEDICAL DIAGNOSTICS

Answer any *four* questions from the following

10×4 = 40

1. Describe a Haemocytometer giving its working principle and uses.
2. Give an account of blood composition with a note on ABO blood groups.

3. Mention the cause, symptoms, diagnosis and prevention of Diabetes type-I.
4. Write on the physical characteristics of urine mentioning the importance of routine urine test.
5. Discuss on Hypertension with special note on pathophysiology.
6. Mention the cause, symptoms, diagnosis and prevention of tuberculosis.
7. Explain in detail the working principle of portable personal glucometer with special reference to enzymology and electrodes.
8. Discuss on the types, cause, symptoms, diagnosis and prevention of Hepatitis.

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