



‘সমানো মন্ত্র: সমিতি: সমানী’

UNIVERSITY OF NORTH BENGAL
B.Sc. Honours 4th Semester Examination, 2023

SEC1-P2-ZOOLOGY

Time Allotted: 2 Hours

Full Marks: 40

The figures in the margin indicate full marks.

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

1. Answer any **five** questions: 1×5 = 5
- (a) Expand AFB.
 - (b) Name two organisms which produces silk other than silkworm.
 - (c) The word “Sericulture” comes from the Greek word _____ meaning silk.
 - (d) What is peace silk?
 - (e) In which abdominal segment Herold’s gland found?
 - (f) Write the host plant of tasar silk moth.
 - (g) Mention the name of causative agent of “Pebrine disease”.
 - (h) What do you mean by ‘Chandraki’?
2. Answer any **three** questions: 5×3 = 15
- (a) Discuss the different exotic races of silkworms found in India.
 - (b) What are the different types of ‘mountages’ used in rearing of silkworm?
 - (c) Write a note on Fungal disease of silkworm.
 - (d) State the physical characteristics of silk fibre.
 - (e) Differentiate adult female and male mulberry moth with suitable diagram.
3. Answer any **two** questions from the following: 10×2 = 20
- (a) Write an essay on employment and potential in Non-mulberry silk industry.
 - (b) Describe the various types of disinfectants used in sericulture along with its functions.
 - (c) Write a descriptive note on Moriculture. Write the types of silkworm seed in sericulture and their purposes. 7+3
 - (d) State a comprehensive note on silk reeling process. Name three by-products of rearing silkworms. 7+3

GROUP-B
MEDICAL DIAGNOSIS TECHNIQUES

1. Answer any *five* questions from the following: 1×5 = 5
- (a) State the most common function of WBC.
 - (b) What is DLC?
 - (c) Expand LFT.
 - (d) Define antibiotic sensitivity test with proper example.
 - (e) Mention the name of principal ingredients of “Urine”.
 - (f) Write the causative agent of Hepatitis B.
 - (g) What is the normal count of blood RBC in healthy human?
 - (h) Comment on ELISA.
2. Answer any *three* questions: 5×3 = 15
- (a) What are the clinical symptoms of diabetes?
 - (b) Write the complications found in malaria.
 - (c) Briefly discuss on secondary hypertension.
 - (d) How ESR will be estimated in a given sample?
 - (e) Mention the physical and chemical characteristics of urine.
3. Answer any *two* questions: 10×2 = 20
- (a) Discuss about the causes, symptoms and treatment of tuberculosis. 4+4+2
 - (b) Write on the causative agent, symptoms, diagnosis and prevention of malaria. 2+4+4
 - (c) Write the difference between benign and malignant tumors. Mention its detection by using MRI and CT SCAN technique. 2+4+4
 - (d) How is a good smear prepared? Write down the methodology of total count of RBC. 4+6

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