

BANKURA UNIVERSITY

Undergraduate End Semester –IV Examination of the A.Y. 2021 - 22

ZOOLOGY

Course ID: 42615

Course Code: SH/ZOOH/405/SEC--2

Course Title: Sericulture

Full Marks: 40

Time: 2Hrs

The figures in the right hand side margin indicate marks. Candidates are required to give their answers in their own words as far as practicable.

Answer all the questions

UNIT I

1. Answer *any five* of the following questions: 2×5=10

- a) What was the 'Silk Route'? Where did the Silk Route start and end?
- b) Mention the characteristics of silk.
- c) What is CSB and where does it located?
- d) What is ahimsha silk?
- e) What are chasam and latkoa?
- f) Write down two important features of a good mountages.
- g) What is the ideal type of soil required for mulberry plantation?
- h) Differentiate between the female and male *Bombyx mori*.

UNIT II

2. Answer *any four* of the following questions: 5×4=20

- a. What is silk? Describe the structure of silk gland and mention the function of different parts. 1+4= 5
- b. Give an account of prospect of sericulture in West Bengal. 5
- c. Name various bacterial diseases of silkworm larvae and write down their symptoms. 2+3=5
- d. Define late age rearing. Describe the tray rearing and shoot rearing. 1+2+2= 5
- e. Explain the preservation and protection of seed cocoons. Describe the different types of cocoon harvester. 3+2=5
- f. Write short notes on: 2½+2½= 5
 - (i) Exotic and Indigenous races of silkworm
 - (ii) Types of mountages

UNIT III

3. Answer *any one* of the following questions: 10×1=10

- a) What important aspects will you consider before silkworm rearing? Describe the disease and enemies of Mulberry plants. Describe the rearing appliances of silkworm. 3+4+3=10
- b) Write down the scientific name of the causative agent, symptoms, type of damage, and management of different types of pests and protozoan diseases of silkworm. What are the different disinfectants used during the rearing of silkworms? 8+2=10
