

B. Sc. 5th Semester Sessional Examination-2023
Sub- Zoology SEC
Paper- Non-Mulberry Sericulture
Paper Code: ZOO-SE-5014
Full Marks: 20
Time: 1 Hr

The figure in the margin indicates full marks

1. Choose the correct options (**Any five**): 1x5=5
- (i) Which of the following is not a silk protein?
(a) Sericin (c) Fibroin
(b) P-20 (d) P-25
- (ii) Silkworm belongs to order
(a) Lepidoptera (c) Coleoptera
(b) Hymenoptera (d) Hemiptera
- (iii) Which of the following stages of silk worm can produce silk?
(a) Cocoon (c) 4th Instar Larva
(b) Pupa (d) 5th Instar Larva
- (iv) The causative organism of Muscardine disease in Eri Silkworm is-
(a) *Bombyx mori* (b) *Botrytis bassiana*
(c) *Nosema* (d) Round worm
- (v) Muga Silkworm is in nature. (**Fill in the blank**)
(a) Multivoltine (b) Univoltine
(c) Bivoltine (d) Trivoltine
- (vi) Eri Silkworm is in nature. (**Fill in the blank**)
(a) Univoltine (b) Multivoltine
(c) Bivoltine (d) Trivoltine
2. Answer the following (**Any five**): 1x5=5
- (a) What is sericulture?
(b) What is the scientific name of Muga silkworm?
(c) Write the scientific name of Eri silkworm.
(d) What is the primary food plant of Muga silkworm?
(e) Name the primary food plant of Eri silkworm?
(f) Name two eco-races of Eri silkworm which normally used for rearing.
3. Answer the following (**Any two**): 5x2=10
- (a) Difference between fibroin and sericin.
(b) Write about the structure of Silk Gland with diagram.
(c) Write the difference between male and female moth of Muga silkworm.
(d) Write the differences between spinning and Reeling of Silk.
(e) Write about the Harvesting and Storage of cocoons of silkworm.
