63/2 (SEM-1) ZOO 106 (OE)

2021

(held in 2022)

ZOOLOGY

(Theory Paper)

Paper Code : ZOO-106 (OE)

(Sericulture)

Full Marks – 50

Time – Two hours

The figures in the margin indicate full marks for the questions.

1. Choose the correct option from the following :
   $1 \times 5 = 5$

   (a) The Headquarter of Central Silk Board is located at

      (i) New Delhi   (ii) Bengaluru

      (iii) Pune   (iv) Chennai

   (b) Muga silkworm is

      (i) Univoltine   (ii) Bivoltine

      (iii) Multivoltine   (iv) None of the above

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(c) *Litsaea polyantha* is the primary host plant of

   (i) Muga silkworm

   (ii) Eri silkworm

   (iii) Tasar silkworm

   (iv) Mulberry silkworm

(d) Which of the following is the natural enemy of *Bombyx mori*

   (i) Uzifly   (ii) House fly

   (iii) Tsetse fly   (iv) Wasps

(e) Name the family of *Bombyx mori* is

   (i) Nymphalidae   (ii) Papilionidae

   (iii) Saturnidae   (iv) Bombicidae.

2. Answer the following short type questions :

$2 \times 5 = 10$

(a) What do you mean by the term 'voltine' in sericogenous insects ?

(b) What do you mean by silk reeling ?

(c) What are the norms for seed cocoon quality according to the Silkworm Seed Legislation Act ?

(d) What do you mean by 'BLACK BOXING' ?

(e) Describe how silkworm eggs are incubated when temperature is much higher.

3. Answer any *five* of the following questions :

$5 \times 5 = 25$

(a) What is a rearing house ? Mention briefly about the characteristics of rearing house.

$1 + 4 = 5$

(b) Describe briefly two diseases that infested in silkworm industry.

(c) What do you mean by host plant ? Mention the difference between the primary and secondary host plant with examples.

$1 + 4 = 5$

(d) Mention about the useful byproducts of silk industry.

(e) What is coupling ? Write about the coupling process in Muga silkworm.

(f) Mention about the potential predators of silkworm with their control measures.

(g) Humidity plays a vital role in late age silkworm rearing. — Justify it.

4. Answer any *one* of the following long type questions : 10×1=10

(a) Describe the life cycle of Eri silkworm with suitable diagram.

(b) Wrie a note on the role of rural women in strengthening the sericulture industry.