

U.G. 5th Semester Examination - 2020

ZOOLOGY

[PROGRAMME]

Skill Enhancement Course (SEC)

Course Code : ZOOL-G-SEC-T-03

Full Marks : 40

Time : 2 Hours

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

1. Answer any **five** of the following: $2 \times 5 = 10$
- What is silk filament denier?
 - Write the morphological differences between female and male silkworm larvae.
 - Mention the voltinisms shown by non-mulberry silkworms (any **two**).
 - Why Bivoltine races of silkworm is more fruitful than multivoltine?
 - Write the silk colours, spun yarn denier and reeled yarn denier of tasar silkworm.
 - What is the role of paraffin paper in sericulture?
 - What is cocoonage? Write its importance.
 - Write the control measures of *Dermestes vorax*.

[Turn over]

2. Answer any **two** of the following: $5 \times 2 = 10$
- What is degumming of silk? Mention its process. $1 + 4 = 5$
 - Write a short note on the structure of silk gland. 5
 - Name the disease caused by *Bacillus thuringiensis*, mention its symptoms and control measures. $1 + 2 + 2 = 5$
 - Write the environmental and genetic factors that influence to control voltinism. $2 \frac{1}{2} + 2 \frac{1}{2} = 5$
3. Answer any **two** of the following: $10 \times 2 = 20$
- Briefly describe modes of transmission, symptoms and control measures of silkworm parasite Uzi fly larvae. $4 + 2 + 4 = 10$
 - What is silk? Describe about the chemical nature of silk. $2 + 8 = 10$
 - What do you mean by Reeling? Describe the procedure prior to reeling of silk from cocoons. $1 + 9 = 10$
 - Describe the types of mountages used in India (any five). $2 \times 5 = 10$
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