

B.Sc. 3rd Semester (Honours) Examination, 2022 (CBCS)**Subject : Zoology****Course : SEC-1 (OR)****(Sericulture)****Time: 2 Hours****Full Marks: 40***The figures in the margin indicate full marks.**Candidates are required to give their answers in their own words
as far as practicable.***Group-A**

1. Answer *any five* questions from the following: 2×5=10
- (a) What is croissure? Mention its uses.
 - (b) Write the full forms of CSR and TI. Mention any two sericulture research stations located in West Bengal.
 - (c) What is chandraki? Mention its uses.
 - (d) Write the scientific name of any two non-mulberry silkworms.
 - (e) Write the composition of silk.
 - (f) What is morticulture?
 - (g) What is silk reeling?
 - (h) What is coecon? Mention the causative agents of Flacherie. 1+1

Group-B

2. Answer *any two* questions from the following: 5×2=10
- (a) Draw and describe the 5th inster larva of *Bombyx mori*. 2+3
 - (b) Write the scientific names of four commercially available silk moths found in India. Mention the type of silk produced from them. 3+2
 - (c) Describe the procedure of extraction of silk from cocoon.
 - (d) Write a brief note on 'voltinism' of *Bombyx mori*.

Group-C

10×2=20

3. Answer *any two* questions from the following:

- (a) Describe briefly about the damage caused by Uzifly and dermestid beetles to silkworms. Mention their control measures. (3+3)(2+2)
- (b) Write the Physical characteristics and chemical composition of silk. How can you distinguish between male and female pupae of silkworms? Mention the uses of silk. (2+3)+2+3
- (c) Describe the life cycle of *Bombyx mori* with suitable diagram. 6+4
- (d) Name the causative agent of pebrine and muscardine. Describe their symptoms and control measures. 2+8
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