

CA 460/13146



First Semester B.Sc. Degree Examination, October/November 2017
(CBCS Scheme) (2016 Batch)
SERICULTURE

Paper – I : Sericultural Botany and Silkworm Biology

Time : 3 Hours

Max. Marks : 70

Note : 1) Answer *all* questions.

2) Draw diagrams *wherever* necessary.

I. Answer the following :

(5×1=5)

- 1) What is silk road ?
- 2) Name any two textile fibers of animal origin.
- 3) Write the economic importance of the family Moraceae.
- 4) What is weeding ?
- 5) What are sericigenous insects ?

II. Write short notes on **any five** of the following :

(5×3=15)

- 6) Mulberry cultivation.
- 7) Central Silk Board.
- 8) V-1 variety.
- 9) Male catkin.
- 10) Morphology of silkworm egg.
- 11) Family Bombycidae.
- 12) Malpighian tubules.

III. Answer **any four** of the following :

(4×5=20)

- 13) Explain sericulture practices in tropical and temperate climates.
- 14) Write an account on sericulture organization in Karnataka.

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- 15) Describe the internal structure of petiole.
- 16) Give an account on Mysore Local and M5 mulberry varieties.
- 17) Classify the silkworms based on voltinism with an example each.
- 18) Explain the structure of silk glands.

IV. Answer **any three** of the following :

(3×10=30)

- 19) Write an account on the employment generation in sericulture.
 - 20) Describe the internal structure of secondary stem.
 - 21) Give an account on effects of weeds. Add a note on its preventive and control measures.
 - 22) Write an account on the life cycle of *Bombyx mori*.
 - 23) Explain the anatomical structure of male and female reproductive systems.
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