

CA 460



I Semester B.Sc. Examination, October/November 2018
(CBCS) (2016 Batch Onwards)
SERICULTURE

Paper – I : Sericultural Botany and Silkworm Biology

Time : 3 Hours

Max. Marks : 70

Note : 1) Answer *all* questions.

2) **Draw diagram wherever necessary.**

I. Answer the following :

(5×1=5)

- 1) What is temperate sericulture ?
- 2) Name the synthetic fibers.
- 3) What is hypogynous ?
- 4) What is ideoblast ?
- 5) What is moulting ?

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

(5×3=15)

- 6) Silk road.
- 7) Types of silks.
- 8) V-1 mulberry variety.
- 9) Weeds of mulberry garden.
- 10) Features of *Bombycidae*.
- 11) Bivoltines.
- 12) Tracheoles.

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

(4×5=20)

- 13) Give an account of components of sericulture.
- 14) Explain the sericulture in Karnataka.
- 15) Describe the morphology of mulberry.
- 16) List out the weeds of mulberry garden. Write on their nature of damage and control measures.
- 17) Describe the morphology of silkworm larva.
- 18) Explain the structure of Silk glands.

P.T.O.



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

(3×10=30)

- 19) Give an account of the origin and history of sericulture.
 - 20) Explain in detail the taxonomic features of family *Moraceae*.
 - 21) With a neat labelled diagram describe the internal structure of primary stem of mulberry.
 - 22) Describe in detail the life cycle of *Bombyx mori*.
 - 23) With a neat labelled diagrams explain the male and female reproductive system of silk moths.
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