

15132



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I Semester B.Sc. Examination Oct/Nov-2019  
CBCS (2019 Batch onwards)  
*DSC-1* SERICULTURE  
**Paper-I: Biology of Mulberry and Silkworm**

**Time: 3 Hours**

**Max.Marks:80**

*Instructions: 1) All Questions are Compulsory.  
2) Draw diagrams wherever necessary.*

- I. Answer the following questions: (5x1=5)
- 1) Define Sericulture?
  - 2) Name any two popular mulberry varieties for rainfed cultivation.
  - 3) What is pollination?
  - 4) What are sericigenous insects?
  - 5) What is the function of spiracle?
- II. Write short notes on **any five** of the following: (5x3=15)
- 6) Silk Road.
  - 7) Temperate sericulture.
  - 8) Polyembryony.
  - 9) Moraceae.
  - 10) V1 variety.
  - 11) Bivoltine.
  - 12) Moulting.
- III. Answer **any Six** of the following: (6x5=30)
- 13) Write the role of sericulture in the country's economy.
  - 14) Explain the role of NGO's in sericulture
  - 15) Describe the structure of male flower of mulberry
  - 16) Describe the internal structure of the petiole
  - 17) Write on the characteristic features of order Lepidoptera
  - 18) Give an account on the tree plantation system in mulberry
  - 19) Describe the anatomical features of silkworm.
  - 20) Describe the morphology of silk moths.
- IV. Answer **any three** of the following: (3x10=30)
- 21) Give a detail account on the origin and history of sericulture.
  - 22) Write an account on the sericultural practices in irrigated conditions.
  - 23) Explain the development of male gametophyte.
  - 24) Describe the digestive system of silkworm larva.
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