

DSE2

CE660



V Semester B.Sc. Examination Oct/Nov-2019
Semester Scheme (2016 Batch onwards)

DSE-2 SERICULTURE
Paper-VI: Silkworm Seed technology

Time: 3 Hours

Max.Marks:70

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

I. Answer the following questions:

(5x1=5)

- 1) What is grainage?
- 2) What is disinfection?
- 3) When was seed legislation act passed?
- 4) What is blastoderm?
- 5) What is hibernation?

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

(5x3=15)

- 6) P1 center.
- 7) Hydrometer.
- 8) Sex separation at pupal stage.
- 9) Individual mother moth examination.
- 10) Selected seed rearers.
- 11) Refrigeration of male moth.
- 12) Cold acid treatment.

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

(4x5=20)

- 13) Write an account on seed area.
- 14) Describe the morphology of silkworm egg.
- 15) Explain environmental conditions required for grainage.
- 16) Give an account on seed cocoon market.
- 17) Explain coupling and decoupling of moths.
- 18) Explain the hibernation schedule for 6 months.

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

(3x10=30)

- 19) Explain activities and norms of P3 center.
 - 20) Explain the preparation of loose eggs and add a note on advantages and disadvantages.
 - 21) Explain the steps involved in the development of embryo up to blastokinesis stage.
 - 22) Write a note on management of grainage.
 - 23) Explain the different steps involved in the preparation of cross breed silkworm eggs.
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