15532

V Semester B.Sc. Degree Examination, March/April 2022
(CBCS Scheme)
SERICULTURE
Paper – 5 : Mulberry and Silkworm Breeding and Seed Technology

Time : 3 Hours Max. Marks : 80

Instructions : *1) Answer **all** questions.*
*2) Draw diagrams **wherever** necessary.*

I. Answer the following questions. **(5×1=5)**

1) What is germ plasma bank ?
2) What is mulberry breeding ?
3) What is hybrid eggs ?
4) What are seed areas ?
5) What is oviposition ?

II. Write short notes on **any five** of the following. **(5×3=15)**

6) Quarantine.
7) W chromosomes.
8) Objectives of silkworm breeding.
9) Seed legislation act.
10) LSP's.
11) Sex separation in moth.
12) Decoupling.

III. Answer **any six** of the following. **(6×5=30)**

13) Write the objectives of plant introduction in mulberry breeding.
14) Write an account on the non-conventional method of mulberry breeding.

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15) Explain the hereditary traits of silkworm eggs.

16) Explain the hormonal control of voltinism and moultinism inheritance.

17) Describe the pupal examination in the seed cocoon markets.

18) Write an account on the functions of grainages.

19) Explain the effect of improper synchronization.

20) Write an account on loose eggs preparation.

IV. Answer **any three** of the following. **(3×10=30)**

21) Explain the hybridization technique in plants.

22) What is silkworm breeding ? Explain the different methods of silkworm breeding.

23) Write in detail about the silkworm seed organization.

24) Describe the methods of egg incubation and add a note on the environmental conditions required for incubation.
