

2020

SERICULTURE

Paper: Course-03 (Gr. A & B)

**(Animal Taxonomy, Cocoon Crop Production,
Management and Cocoon Crop Protection)**

Full Marks : 60 Time : $2\frac{1}{2}$ Hours

The figures in the right-hand margin indicate marks.

Candidates are required to give their answers in their own words as far as practicable.

GROUP-A

(Marks: 30)

**(Animal Taxonomy, Cocoon crop production
and Management)**

1. Answer any **five** questions: $1 \times 5 = 5$
- Indicate the super family to which silkworm belong.
 - Write down the scientific name of Japanese Tasar silkworm.
 - What do you mean by three way cross?
 - In which stage of Tropical Tasar silkworm diapause occurs?

- Indicate the bed spacing for 100dfls of bivoltine rearing.
 - Name a tropical race of *B. mori*.
 - What do you understand by SR%?
2. Answer any **three** of the following : $5 \times 3 = 15$
- Write down a brief overview of classification of sericigenous insects.
 - Differentiate between bivoltine and multivoltine.
 - Indicate the different methods of late age rearing.
 - “Cost effective rearing houses”- add a note.
 - Indicate different types mounatges mentioning the advantages in brief.
3. Answer any **one** of the following : $10 \times 1 = 10$
- What do you mean by Chawki rearing, indicates the characteristic of chawki worm? What are methods adapted in Chawki rearing?
 - Write a notes on:
 - Incubation,
 - Cocoon Assessment.

GROUP-B

(Marks: 30)

(Cocoon Crop Protection)

4. Answer any **five** of the following: $1 \times 5 = 5$
- a) Indicate the group of pathogen responsible for muscardine in *B. mori*.
 - b) What is the mode of transmission of DNA virus in silkworm?
 - c) Indicate the voltinism of Uzi fly.
 - d) Name two chemical disinfectants used in sericulture.
 - e) Indicate a occluded virus infesting *B. mori*.
 - f) Which bacteria is responsible for toxicosis in *B. mori*?
 - g) What do you mean by 'Jaundice of silkworm'?
5. Answer any **three** of the following : $5 \times 3 = 15$
- a) Abiotic factors influence the incidence of diseases in silkworm:- discuss in brief.
 - b) Elucidate the symptoms of Grasserie disease in silkworm indicating its season of occurrence.
 - c) Describe the disease cycle of white muscardine in *B. mori* .

- d) Discuss the role of disinfection in disease management during rearing of silkworm.
 - e) State the IPM of Uzi fly in brief.
6. Answer any **one** of the following: $10 \times 1 = 10$
- a) Write down an overview of different disease of silkworm based on the group of pathogens.
 - b) Write a notes on (any **two**):
 - i) Mother Moth Examination,
 - ii) Bed disinfectant,
 - iii) Aspergillosis.

Date of Examination:

19.7.2021, Time: 12:00 Noon – 02:30 PM