

7(M)

UG-III/Sericulture-VI/(M)/21

2021
SERICULTURE
[MAJOR]
Paper : VI

Full Marks : 100

Time : 4 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.

Write the answers to Questions of each Group in separate answer scripts

GROUP-A

(Silk Technology)

(Marks : 50)

1. Answer any **two** of the following : $1 \times 2 = 2$
 - a) What is dupion silk yarn?
 - b) What is brushing?
 - c) What do you mean by voltinism?
 - d) Name two animal fibres.
2. Answer any **five** of the following: $2 \times 5 = 10$
 - a) Mention the length of silk bave in different races.

- b) Mention the manual method of cocoon brushing.
 - c) What is the objective of cocoon drying?
 - d) Write the objectives of re-reeling.
 - e) What do you mean by reliability percentage?
 - f) Name three man made synthetic fibre.
 - g) What do you mean by filament size?
3. Answer any **three** of the following : $6 \times 3 = 18$
 - a) Describe cocoon shell percentage in different races.
 - b) Write a short description on harvesting and sorting of cocoons.
 - c) Describe Ushnakothi for drying of cocoons.
 - d) Write short note on different type of races based on their origin.
 - e) Write a note on shape of cocoons.
4. Answer any **two** of the following : $10 \times 2 = 20$
 - a) What is cooking? Describe one pan and three pan method of cooking along with their advantages.
 - b) What is reeling? Describe the process of charakha reeling and cottage basin reeling with advantages and disadvantages.
 - c) What is stifling? Describe sun drying, and hot air drying methods of stifling of cocoons. Add a note on steam stifling.

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GROUP-B

(Non-mulberry Sericulture and Extension Management)

(Marks : 50)

5. Answer any **two** of the following : $1 \times 2 = 2$
- a) What do you mean by ecorace?
 - b) What is farmers Training?
 - c) Name Tropical Tasar producing states of India.
 - d) Indicate the family to which Muga silkworm belongs.
6. Answer any **five** of the following : $2 \times 5 = 10$
- a) Indicate a major disease of Tasar silkworm mentioning the season of incidence.
 - b) What is innovation?
 - c) What do you understand by cocoon market?
 - d) What is diffusion?
 - e) Name two primary host plants of Tropical Tasar silkworm.
 - f) Indicate the levels of seed production of Muga silkworm.
 - g) Name two major diseases of a primary host plants of Eri Silkworm.
7. Answer any **three** of the following : $6 \times 3 = 18$
- a) Discuss about the management of disease in muga rearing.

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- b) Write a brief note on the importance of local leadership in extension management.
- c) Enumerate major diseases of primary host plants of Muga silkworm indicating their management.
- d) Differentiate between formal and non formal education.
- e) Define extension education. Indicate the principle and attributes of extension education.

8. Answer any **two** : $10 \times 2 = 20$
- a) 'Sericulture as a tool for rural development' – Discuss.
 - b) Write notes on (any **two**) :
 - i) Elements of extension communication
 - ii) Predators of Tropical Tasar Silkworm
 - iii) Silk Exchange
 - c) Write an account of diseases Tropical Tasar silkworm indicating the season of incidence and control measures.
 - d) Enumerate the propagation techniques of host plants of Tropical Tasar and Muga silkworms.

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