

(FOR THE CANDIDATES ADMITTED

21UZY6E4

DURING THE ACADEMIC YEAR 2021

ONLY)

REG.NO. :

N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI

END-OF-SEMESTER EXAMINATIONS : MAY 2024

B.Sc., ZOOLOGY

MAXIMUM MARKS: 70

SEMESTER: VI

TIME : 3 HOURS

**PART - III**

**21UZY6E4-SERICULTURE**

**SECTION - A**

**(10 X 1 = 10 MARKS)**

**ANSWER THE FOLLOWING QUESTIONS.**

**MULTIPLE CHOICE QUESTIONS.**

**(K1)**

1. What is the primary source of silk in sericulture?

- A) Cotton B) Wool C) Flax D) Silkworms

2. What is a common visible sign of Powdery Mildew on mulberry leaves?

- A) Dark brown lesions B) White powdery patches C) Yellow streaks D) Red discoloration

3. Which environmental factor triggers the hatching of Bombyx mori eggs?

- A) Temperature B) Humidity C) Light intensity D) Air pressure

4. Which organism causes 'Flacherie'?

- A) VIRUS B) STREPTOCOCCUS C) MORI D) FUNGUS

5. What is the primary pest of silkworms known as the "Indian Uzi fly"?

- A) Tachinid fly B) Silkworm moth C) Mulberry thrips D) Silk cocoon wasp

**ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES**

**(K2)**

6. Define Sericulture.

7. What is Pruning?

8. Brief grainage.

9. Write about Chawki worms?

10. Explain Country charka.

**SECTION – B**

**(5 X 4 = 20 MARKS)**

**ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K3)**

11. a) Narrate the history of sericulture.

**(OR)**

b) Trace the economic importance of sericulture.

12. a) What are the different methods adopted to preserve the Mulberry leaves?

**(OR)**

b) Give a diagrammatic illustration on Mulberry propagation.

13. a) With a neat diagram, explain the structure of silk gland of silkworm.  
(OR)  
b) List the appliances used for silkworm rearing.
14. a) Differentiate between the shelf rearing and shoot rearing.  
(OR)  
b) Name the causative organism for pebrine disease. Write the symptoms, control measures and precautions to be taken to overcome.
15. a) How are quality cocoons identified?  
(OR)  
b) Discuss marketing of cocoons.

**SECTION - C****(4 X 10 = 40 MARKS)****ANSWER ANY FOUR OUT OF SIX QUESTIONS (K4 (Or) K5)****(16<sup>th</sup> QUESTION IS COMPULSORY AND ANSWER ANY THREE QUESTIONS FROM Q.No.17 to 21)**

16. Give a detailed account of Non-Mulberry Silkworm.
17. Explain Moriculture.
18. Write an essay on diseases that infect the Mulberry plant
19. Sketch the life cycle of Bombyx mori.
20. Careful mounting is essential in silkworm rearing to harvest quality cocoons-Justify.
21. Substantiate the role of reeling appliances in Sericulture industry.

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