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FOR AP CLASS 11 EXAM PREPARATION

AP Class 11 2027 Model Paper · Seri Technician

EXAM	YEAR	TYPE	SUBJECT
AP Class 11	2027	Model Paper	Seri Technician

SERICULTURE TECHNICIAN
FIRST YEAR
PAPER I - MULBERRY PRODUCTION AND INTEGRATED FARMING

Time: 3 Hrs | Max Marks: 50

SECTION – A

Note: (i) Answer all questions (ii) Each question carries 2 marks. 10 × 2 = 20

1. Name some mulberry species.
2. What is soil erosion?
3. Define pruning in mulberry.
4. What are manures?
5. What is meant by integrated cropping in mulberry?
6. What is organic farming?
7. What are the food plants of Tasar silkworm?
8. List out value added products of mulberry fruits.
9. What is meant by Entrepreneurial Development Programme (EDP)?
10. Mention any one type of Government assistance for farmers.

SECTION – B

Note: (i) Answer any 5 questions (ii) Each question carries 6 marks. 5 × 6 = 30

11. Describe the morphological characters of mulberry and explain their economic importance in silkworm rearing.
12. Explain the suitable soil for mulberry cultivation.
13. Explain the tree plantation method of mulberry cultivation.
14. Describe the importance of garden implements in mulberry cultivation.
15. Explain different irrigation methods followed in mulberry cultivation.
16. Explain the selection of suitable crops for integration with mulberry cultivation.
17. Explain the utilization of mulberry leaf waste as cattle fodder and its importance.
18. Write short notes on:
    (a) Mulching
    (b) Weeds
    (c) Value addition / Agro Enterprises

SERICULTURE TECHNICIAN
FIRST YEAR
PAPER II - SILKWORM REARING REQUIREMENT

Time: 3 Hrs Max Marks: 50

SECTION – A

Note: (i) Answer all questions (ii) Each question carries 2 marks. 10 × 2 = 20

1. Why is cleanliness important inside a silkworm rearing house?
2. What is the use of an antwell?
3. Define disinfection.
4. What is the safe limit of toxic gases in silkworm rearing?
5. What is meant by Vanya silk?
6. State two main objectives of using machines in sericulture operations.
7. Name two types of de-flossing machines used in sericulture.
8. Define a Chawki Rearing Centre (CRC).
9. Define the cost of silkworm rearing.
10. Mention any four rearing records.

SECTION – B

Note: (i) Answer any 5 questions (ii) Each question carries 6 marks. 5 × 6 = 30

11. Explain the structural features and advantages of the CSB model rearing house.
12. Describe the traditional rearing equipment used in sericulture.
13. Write detailed notes on disinfectants and their application in sericulture.
14. Explain the role of temperature in silkworm growth.
15. Describe the life cycle of the Tasar silkworm with suitable diagrams.
16. Discuss the various mechanized disinfection equipment and how they ensure a disease-free environment in the rearing house.
17. Discuss the establishment cost of modern rearing houses for 300, 600 and 900 DFL capacities with reference to floor area and total investment.
18. Write short notes on:
    (a) Entrepreneur
    (b) Ahimsa Silk
    (c) Lime Powder

SERICULTURE TECHNICIAN
FIRST YEAR
PAPER III - SILKWORM REARING MANAGEMENT

Time: 3 Hrs Max Marks: 50

SECTION – A

Note: (i) Answer all questions (ii) Each question carries 2 marks. 10 × 2 = 20

1. Define incubation of silkworm eggs.
2. Which type of mulberry leaves are suitable for chawki rearing?
3. Name the gases injurious to silkworms.
4. Define the principle to calculate Leaf Cocoon Ratio.
5. How is Sotto disease identified?
6. How do you identify ripening worms?
7. What is E.R.R.?
8. Name the minor pests of silkworms.
9. What is meant by Integrated Disease and Pest Management (IDPM)?
10. Name the causal organisms of Muscardine and Aspergillosis.

SECTION – B

Note: (i) Answer any 5 questions (ii) Each question carries 6 marks. 5 × 6 = 30

11. Explain the methods of brushing sheet silkworm eggs.
12. Describe the different methods of bed cleaning in silkworm rearing.
13. Describe the various methods of late age silkworm rearing.
14. Detail about of types of mountages along with their merits and demerits.
15. Explain symptoms of Pebrine disease at various stages of silkworm.
16. Explain the life cycle of Uzi fly.
17. Explain the importance of Integrated Disease and Pest Management (IDPM) in silkworm rearing.
18. Write short notes on:
    (a) Spacing in silkworm rearing
    (b) Moulting
    (c) Defective cocoons