SERICULTURE

II YEAR

PAPER I Seri – Biotechnology & Farm Management

TIME: 3 Hours **Max. Marks: 50**

SECTION-A

Note: i) Answer all Questions.
ii) Each question carries 2 marks **10x02=20**

1. What is Tissue Culture?
2. What is cell division?
3. **Define Bio-Technology**?
4. Importance of farm records.
5. Leaf spot disease.
6. Nitrogen deficiency
7. What is pest?
8. Write control measures for Jassids (Leafhoppers)
9. Importance of spacing in Mulberry plantation.
10. Importance economics?

SECTION-B

Note: i) Answer any 5 Questions
ii) Each Question Carries 6 marks **5x6=30**

11. Explain the preparation of Tissue culture media.
12. Explain in detail about Mitosis.
13. Write about different weeds and Integrated Weed Management in mulberry.
14. Mention causative agent, symptoms Powdery mildew and suggest few control measures.
15. Write about Bihar hairy caterpillar on mulberry.
16. Write the procedure for leaf estimation.
17. Explain importance and package of practices for chawki garden
18. Write short notes on
    a) Vermi compost b) IDPM c) Tukra

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SERICULTURE

II YEAR

PAPER II Silkworm Seed Technology

TIME: 3 Hours **Max. Marks:50**

SECTION-A

Note: i) Answer all Questions.
ii) Each question carries 2 marks **10x02=20**

1. Write the classification of *Bombyx mori.*
2. Define Metamorphosis.
3. What is Voltinism?
4. Name any four Grainage equipments and its uses.
5. Name the stages in the life history of *Bombyx mori.*
6. What is Synchronization?
7. What is Coupling and de-coupling of moths?
8. What is the aim of moth examination?
9. What are the types of eggs?
10. Name the Acid and equipment used in Acid treatment.

SECTION-B

Note: i) Answer any 5 Questions
ii) Each Question Carries 6 marks **5x6=30**

11. Describe the Systematic position of *Bombyx mori.*
12. Explain the morphology of Silkworm Larva.
13. Write notes on the Parental races of Silkworm.
14. Explain any five Grainage equipments and uses with a neat labeled diagram
15. Explain briefly Grainage operations in a commercial Grainage.
16. Explain the preparation of loose eggs.
17. Write about Hot acid treatment of Bivoltine eggs.
18. Write short notes on
a) Voltinism b) Expand UV, BV, MV & CB c) Transportation of eggs.

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SERICULTURE

II YEAR

PAPER III Post Cocoon Technology

TIME:3 Hours **Max. Marks:50**

SECTION-A

Note: i) Answer all Questions.
ii) Each question carries 2 marks **10x02=20**

1. Name some Silk fabrics.
2. What is Shell Ratio?
3. Mention four defective cocoons.
4. What is Stifling?
5. What is size of cocoon?
6. What is cocoon brushing?
7. What is Ahimsa silk?
8. Define baling of Silk.
9. Reeling records?
10. What is degumming

SECTION-B

Note: i) Answer any 5 Questions
ii) Each Question Carries 6 marks **5x6=30**

11. Write in detail about scope & limitations of Reeling Industry.
12. Explain in detail about commercial characters of cocoons.
13. Explain about Rules and Acts of Cocoon marketing?
14. Write about hot air drying and its advantages and disadvantages.
15. Write about Three pan cooking method.
16. Write about Multi-end reeling operation.
17. Write standard methods of Raw silk testing.
18. Write Short notes on

a) Value addition b) economics of cottage basin c) Silk dyeing

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