

Vocational Practical Question Bank

First & Second Year

Sericulture

Course Code : 108



State Institute of Vocational Education

O/o the Commissioner of Intermediate Education

Andhra Pradesh, Hyderabad

&

Board of Intermediate Education,

Andhra Pradesh, Hyderabad

First Year

SERICULTURE**First Year (P.C. 108/21)****Subject : Mulberry Cultivation****Paper - I****Time : 3 Hours****Max. Marks : 50****Section - I****1 x 8 = 8 Marks****Experiment**

1. Describe the morphology and taxonomy of the given Mulberry plant.
2. Test the soil pH for the given soil samples and advise the suitable reclamation.
3. Prepare the land and plant cuttings in irrigated row and pit systems?
4. Calculate soil moisture content in the given Mulberry plot and suggest methods for moisture conservation.
5. Prepare Air layering with the given material and write procedure
6. Suggest the control methods of weeds to the farmer.

Section - II**1 x 8 = 8 Marks****Experiment**

7. Prepare nursery bed and plant the given cuttings and write the procedure.
8. Write the procedure for vermi compost preparation and record your observations.
9. Identify the give sample of soils and write its characters.
10. Prepare shoot grafts with given scion and stock materials and write procedure.
11. Prepare simple layering's with the given material and write procedure
12. Prepare the cuttings from given Mulberry shoots and conduct disinfection.

Section - III**1 x 8 = 8 Marks****Experiment**

13. Discriminate the sexes of given flowers and mention its characters with neat diagrams.
14. Prepare the land and plant the given cuttings in rain fed pit system.
15. Prepare cuttings from the given plant shoot and write its characters.
16. Prepare bud grafts with the given material and write procedure.
17. Prepare root grafts with the given material and write procedure.
18. Write the procedure for compost/vermi-compost preparation and record your observations.

Section - IV**4 x 2 = 8 Marks****Identification any four**

19. Garden implements
20. Grafting techniques.
21. Weeds and Weeding implements.
22. Mulberry planting spacing.
23. Mulberry varieties.
24. Manures and Compost.

Section - V**1 x 8 = 8 Marks****Field report**

25. Submit the field report
26. Submit the field report
27. Submit the field report
28. Submit the field report
29. Submit the field report
30. Submit the field report

Section VI

Record

5 Marks

Viva Voce

5 Marks

SERICULTURE**First Year****MODEL QUESTION PAPER****Subject : Mulberry Cultivation****Paper - I****Time : 3 hours****Max. Marks : 50****Section - I****1 x 8 = 8 Marks**

3. Prepare the land and plant cuttings in irrigated row and pit systems?

Section - II**1 x 8 = 8 Marks**

9. Identify the give sample of soils and write its characters.

Section - III**1 x 8 = 8 Marks**

17. Prepare root grafts with the given material and write procedure.

Section - IV**4 x 2 = 8 Marks**

20. Grafting techniques.

21. Weeds and Weeding implements.

22. Mulberry planting spacing.

23. Mulberry varieties.

Section - V**1 x 8 = 8 Marks**

30. Submit the field report / Herbarium

Section - VI

Viva Voce

5 Marks

Record

5 Marks

Note : The Serial numbers of the questions mentioned above are the serial numbers in question bank. In practical examiantion only the serial number of the questions will be given, the examiner shall decode it with question bank and give the questions.

SERICULTURE**First Year****PRACTICAL SCHEME OF VALUATION****Subject : Mulberry Cultivation****Paper - I**

Time : 3 hours	Max. Marks : 50
Section - I,II,III	(1 x 8 = 8 Marks)
Objective and Procedure	: 3 Marks
Demonstration	: 2 Marks
Diagram / Tables / Observation	: 3 Marks
Section - IV	(4 x 2 = 8 Marks)
Identification	: 1 Mark
Discription / Comment	: 1 Marks
Section - V	(1 x 8 = 8 Marks)
Submission of field report / herbarium	
Identification	: 2 Marks
Col lection	: 2 Marks
Classification	: 4 Marks
Section VI	
Record	: 5 Marks
Viva Voce	: 5 Marks

SERICULTURE**First Year (P.C. 108/22)****Subject : Farm Maintenance and Seri – Bio Technology****Paper - II****Time : 3 Hours****Max. Marks : 50****Section - I****1 x 8 = 8 Marks**

1. Identify the given leaf disease and write the characteristic features and suggest control measures.(A)
2. Identify the given leaf disease and write the characteristic features and suggest control measures.(B)
3. Identify the given leaf disease and write the characteristic features and suggest control measures.(C)
4. Identify the given root disease, write their characteristic features and suggest control measures.(A)
5. Prepare an artificial diet with materials given to you.(A)
6. Prepare the Culture media for tissue culture in Mulberry propagation and write procedure.

Section - II**1 x 8 = 8 Marks**

7. Identify the given root disease, write their characteristic features and suggest control measures.(B)
8. Prepare an artificial diet with the materials provided to you.(B)
9. Identify the given pest and their damage on Mulberry and suggest control measures.(F)
10. Demonstrate the tissue and organ culture experiment with the given plant material and mention protocol.
11. Identify the given pest and their damage on Mulberry and suggest control measures.(H)
12. Estimate the leaf yield in the given Mulberry plot by harvesting the leaf from three plants.

Section - III**1 x 8 = 8 Marks**

13. Demonstrate the process of slide preparation for Mitotic cell division in the given onion root tips and write the procedure.
14. Identify the given mineral deficiency of micro elements and suggest the amendment.
15. Record the farm management details in different farm records.
16. Identify the given root disease, write their characteristic features and suggest control measures.(C)
17. Identify the given pest and their damage on Mulberry and suggest control measures.(A)
18. Identify the given pest and their damage on Mulberry and suggest control measures.(B)

Section - IV**4 x 2 = 8 Marks****Identify any four**

19. Pests.
20. Diseases
21. Stages of cell division AB & CD
22. Pesticides
23. Organ culture.
24. Deficiency disease

Section - V**1 x 8 = 8 Marks****Fieldreport**

25. Submit the field report
26. Submit the field report
27. Submit the field report
28. Submit the field report
29. Submit the field report
30. Submit the field report

Section - VI

- | | |
|-----------|----------------|
| Record | 5 Marks |
| Viva voce | 5 Marks |

SERICULTURE**First Year****MODEL QUESTION PAPER****Subject : Farm Maintenance and Seri – Bio Technology****Paper - II****Time : 3 hours****Max. Marks : 50****Section - I****1 x 8 = 8 Marks**

5. Prepare an artificial diet with materials given to you.(A)

Section - II**1 x 8 = 8 Marks**

8. Prepare an artificial diet with the materials provided to you.(B)

Section - III**1 x 8 = 8 Marks**

15. Record the farm management details in different farm records.

Section - IV**4 x 2 = 8 Marks**

23. Organ culture.

24. Deficiency disease

20. Diseases

21. Stages of cell division AB & CD

Section - V**1 x 8 = 8 Marks**

29. Submit the field report

Section - VI

Viva Voce

5 Marks

Record

5 Marks

Note : The Serial numbers of the questions mentioned above are the serial numbers in question bank. In practical examination only the serial number of the questions will be given, the examiner shall decode it with question bank and give the questions.

SERICULTURE**First Year****PRACTICAL SCHEME OF VALUATION****Subject : Farm Maintenance and Seri – Bio Technology****Paper - II****Time : 3 hours****Max. Marks : 50****Section - I,II,III (1 x 8 = 8 Marks)**

Objective and Procedure : 3 Marks

Demonstration : 2 Marks

Diagram / Tables / Observation : 3 Marks

Section - IV (4 x 2 = 8 Marks)

Identification : 1 Mark

Description : 1 Marks

Section - V (1 x 8 = 8 Marks)

Submission of field report

Identification : 2 Marks

Collection : 2 Marks

Classification : 4 Marks

Section VI**Record** : 5 Marks**Viva Voce** : 5 Marks

SERICULTURE**First Year (P.C. 108/23)****Subject : Silkworm Seed Technology****Paper - III****Time : 3 Hours****Max. Marks : 50****Section - I**

1. Write the Morphological characters with diagrammatic label representation of the larva.
2. Separate the male and female pupa from the given pupae and write the morphological features with neat diagrams.
3. Separate the sexes of given moths and write its morphological differences with neat diagrams.
4. Conduct cold acid treatment for the given eggs and write the procedure.
5. How do you prepare 2% Formalin solution from the given concentration.
6. Process the given seed cocoons and record the characters observed.

Section - II**1 x 8 = 8 Marks**

7. Conduct hot acid treatment for the given eggs and write the procedure.
8. Conduct mass moth examination with given material, write the procedure and record your observations.
9. Demonstrate the process of synchronization and moth emergence and write procedure.
10. Demonstrate Coupling, de-coupling and ovi-position the given moths and write the procedure.
11. Prepare the sheet eggs with the given moths
12. Prepare the starched sheets and loose eggs with the given material and record your observation.

Section - III**1 x 8 = 8 Marks**

13. Draw the neat labeled diagram of ground plan of the Grainage building.

14. Prepare the Sanitech solution and disinfect the equipment.
15. Write procedure for seed cocoon preservation.
16. Separate the sexes of given pupae and write their characters with neat labeled diagrams.
17. Demonstrate the process of individual moth examination and conclude the presence of pebrine spore.
18. Surface sterilize the given eggs and write the procedure followed and record your observations

Section - IV**2 x 4 = 8 Marks****Identifications**

19. Morphological stages of silkworms
20. Different races of cocoons.
21. Types of eggs.
22. Grainage equipments.
23. Grainage operations.
24. Chemicals used in Grainage.

Section - V**1 x 8 = 8 Marks****Fieldreport**

25. Submit the field report
26. Submit the field report
27. Submit the field report
28. Submit the field report
29. Submit the field report
30. Submit the field report

Section - VI

- | | |
|-----------|----------------|
| Record | 5 Marks |
| Viva voce | 5 Marks |

SERICULTURE**First Year****MODEL QUESTION PAPER****Subject : Silkworm Seed Technology****Paper - III****Time : 3 hours****Max. Marks : 50****Section - I****1 x 8 = 8 Marks**

6. Process the given seed cocoons and record the characters observed.

Section - II**1 x 8 = 8 Marks**

11. Prepare the sheet eggs with the given moths

Section - III**1 x 8 = 8 Marks**

15. Write procedure for seed cocoon preservation.

Section - IV**4 x 2 = 8 Marks**

20. Different races of cocoons.

21. Types of eggs.

22. Grainage equipments.

23. Grainage operations.

Section - V**1 x 8 = 8 Marks**

27. Submit the field report

Section - VI

Record

5 Marks

Viva voce

5 Marks

Note : The Serial numbers of the questions mentioned above are the serial numbers in question bank. In practical examination only the serial number of the questions will be given, the examiner shall decode it with question bank and give the questions.

SERICULTURE**First Year****PRACTICAL SCHEME OF VALUATION****Subject : Silkworm Seed Technology****Paper - III****Time : 3 hours****Max. Marks : 50****Section - I,II,III****(1 x 8 = 8 Marks)**

Objective and Procedure : 3 Marks

Demonstration : 2 Marks

Diagram / Tables / Observation : 3 Marks

Section - IV**(4 x 2 = 8 Marks)**

Identification : 1 Mark

Discription : 1 Marks

Section - V**(1 x 8 = 8 Marks)**

Submission of field report

Identification : 2 Marks

Col lection : 2 Marks

Classification : 4 Marks

Section VI**Record** : 5 Marks**Viva Voce** : 5 Marks