

SYLLABI FOR SERICULTURE EXTENSION OFFICER
EXAMINATION UNDER SERICULTURE DEPARTMENT-2017

General English Paper - I (3 hours duration)

ESSAY TYPE
(Full Marks : 100)

- (a) Essay Writing (Conventional)..... 20 Marks
- (b) Idioms & Phrases (Objective Type)..... 16 Marks
- (c) Comprehension of given passages (Objective Type)..... 16 Marks
- (d) Grammar (Objective Type) 16 Marks
Parts of Speech : Nouns, Adjective, Verb, Adverb, Preposition, etc.
- (e) Composition (Objective Type)..... 16 Marks
 - i) Analysis of complex and compound sentences
 - ii) Transformation of sentences
 - iii) Synthesis of sentences
- (f) Correct usage and vocabularies (Objective Type) 16 Marks

General English Paper - II (2 hours duration)

OBJECTIVE TYPE (MCQ)
(Full Marks : 100)

- (a) Grammar :40 Marks
Parts of Speech, Nouns, Adjective, Verb, Adverb, Preposition, etc.
- (b) Composition30 Marks
 - i) *Analysis of complex and compound sentences*
 - ii) *Transformation of sentences*
 - iii) *Synthesis of sentences*
- (c) Correct usage and vocabularies30 Marks

PAPER – I (Mulberry and Vanya – 200)

Duration -2 hours

1. Preparation of Nursery bed.
2. Farm Management.
3. Manure and Fertilizer.
4. Pruning (Types and methods of pruning).
5. Leave harvesting and preservation.

PAPER – II. SILKWORM PHYSIOLOGY AND SILKWORM REARING (200 Marks)

Duration : 2 Hours

1. Morphology of Silkworm egg, larva, pupa and moth.
2. Moulting and Voltinism.
3. Silkworm breeding and Genetics.
4. Silkworm Rearing.
5. Post Cocoon Technology

PAPER – III PATHOLOGY (Full Mark – 200)

Duration : 2 Hours

A. (150 Mark)

I : Plant pathology (75 Marks)

1. Pest Management.
2. Diseases of Silkworm food plants and their Control
3. Foliar, stem and root diseases.
4. Deficiency diseases – Common symptoms and their control.

II : Silkworm Pathology (75 Marks)

1. Four different types of Silkworm diseases.
2. Symptoms of Pebrine, Flacherie and Fungal diseases in larval stage.
3. Prevention and control of Silkworm diseases.

B. Aptitude (50 Mark):

(a) Numerical And Figurework Tests: (15 Marks)

These tests are reflections of fluency with numbers and calculations. It shows how easily a person can think with numbers. The subject will be given a series of numbers. His/Her task is to see how the numbers go together to form a relationship with each other. He/She has to choose a number which would go next in the series.

(b) Verbal Analysis And Vocabulary Tests: (15 Marks)

These tests measure the degree of comfort and fluency with the English language. These tests will measure how a person will reason with words. The subject will be given questions with alternative answers, that will reflect his/her command of the rule and use of English language.

(c) Visual And Spatial/3-D Ability Tests: (10 Marks)

These tests are used to measure perceptual speed and acuity. The subject will be shown pictures where he/she is asked to identify the odd one out; or which comes next in the sequence or explores how easily he/she can see and turn around objects in space.

(d) Abstract Reasoning Tests: (10 Marks)

This test measures the ability to analyse information and solve problems on a complex, thought based level. It measures a person's ability to quickly identify patterns, logical rules and trends in new data, integrate this information, and apply it to solve problems.