

**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) Composition .....30 Marks
  - i) *Analysis of complex and compound sentences*
  - ii) *Transformation of sentences*
  - iii) *Synthesis of sentences*
- (c) Correct usage and vocabularies .....30 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.