

M.Sc. (Part-II) (Zoology) (NEP Pattern) Semester-III  
**03MSCZO04.4 - Core DSE Credits-II Paper-IV:**  
**Applied and Industrial Entomology-I**

P. Pages : 1

Time : Three Hours



**GUG/S/25/16037**

Max. Marks : 40

- 
- Notes :
1. All questions are compulsory.
  2. All questions carry equal marks.
  3. Illustrate your answers with suitable diagrams.

**1.** Describe structure and silk synthesis from silk gland in Mulberry silk worm. **8**

**OR**

- a) Cocoon harvesting and reeling.
- b) Life cycle of mulberry silkworm.

**2.** Write a note on Natural host plants and predators of Tasar Silkworm. **8**

**OR**

- a) Life cycle of Tasar Silkworm.
- b) Hammock and cocoon formation

**3.** Write a note on Lac cultivation and its economic importance. **8**

**OR**

- a) Basic concepts and importance of forensic entomology.
- b) Eri Silkworm Biology

**4.** Write an essay on types of honey bees. **8**

**OR**

- a) Apiary Products and their economic importance.
- b) Bee Rearing Management.

**5.** Attempt the following: **8**

- a) Silkworm Rearing House
- b) Tasar Larvae
- c) Malaria
- d) Uses of wax

\*\*\*\*\*