

Course Code	Course Title	C	H	I	E	T
17U1ZSM1	APPLIED ENTOMOLOGY	2	2	25	75	100

Unit – 1 **6 Hrs**

Sericulture – Types of silk worm – Life history of mulberry silk worm *Bombyx mori* – Mountage – Diseases of silk worm: pebrine, muscardine and flacherie.

Unit – 2 **6 Hrs**

Moriculture – Cultivation of mulberry trees, harvesting and storage methods, Role of Central Silk Board in sericulture.

Unit – 3 **6 Hrs**

Apiculture – Different species of honey bees – Life history of bees – Newton’s bee hive – Uses of honey.

Unit – 4 **6 Hrs**

Lac culture – Lac insect classification – Life history of lac insects – Cultivation of lac – Harvesting and processing of lac – Composition and uses of lac.

Unit – 5 **6 Hrs**

Forensic Entomology – Insects of forensic importance – Corpse feeders – Maggots – Life cycle analysis – Role of insects in crime investigation.

Text book(s):

1. Tomer, B. S. 2011. Economic Zoology. Emkay publications, Delhi.
2. Arumugam, N., S. Murugan, J. Johnson Rajeshwar, and R. Ramprabhu, 2005. Applied Zoology. Saras publication, Nagercoil.

Reference books

1. Johnson, M and M. Kesary. 2008. Sericulture.
2. Ravindranathan, K.R. 2005. A text book of economic zoology. Dominant publishers and distributors, New Delhi.
3. Shukla, G. S. and V.B. Upadhyay. 2011. Economic Zoology. Rastogi Publications, Meerut, New Delhi.
4. Vasantharaj David,B. and Kumaraswamy, T. (1996). Elements of Economic Entomology. Popular book depot, Chennai.