

SECOND YEAR TDC SCIENCE,

2008-09

ZOOLOGY

PAPER-III

**APPLIED ZOOLOGY AND
MICROBIOLOGY**

Duration: 3 hours

M.M.: 50

UNIT - I

- 1 History, general account and scope of sericulture.
Distribution of mulberry and non- mulberry silkworms.
- 2 Life history of *Bombyx mori*.
- 3 Rearing techniques of silkworm.
 - (a) Brief account of environmental conditions of rearing and programming of mulberry cultivation.
 - (b) Rearing of silk worm.
- 4 Reeling of silk yarn.
- 5 Brief idea of diseases of silk worm.

UNIT-II

- 6 History, scope and general practices of apiculture in India.

Life history of honey bee.

Rearing of honey bee:

Indigenous methods of bee keeping

Tools of bee keeping

Modern methods of bee keeping

Economic Importance of bees wax and honey.

Brief idea of diseases and enemies of honey bee.

UNIT-III

Shell-fish culture:

a) Culture of fresh water prawns.

b) Prawn seed procurement and rearing.

c) General idea of lobsters, clams, mussels and pearl culture.

2 Fin fish culture and fisheries :

a) Culturable fresh water fishes of India.

b) Inland, marine, and estuarine fisheries.

c) Preservation of fishes.

d) Economic importance of fishing industry.