

**NRT/KS/19/2144**

**Bachelor of Science (B.Sc.) Semester–V Examination**  
**AQUACULTURE AND ECONOMIC ENTOMOLOGY**  
**Optional Paper–2**  
**(Zoology)**

Time : Three Hours]

[Maximum Marks : 50

**N.B. :—** (1) All questions are compulsory.

(2) All questions carry equal marks.

(3) Draw well labelled diagrams wherever necessary.

1. Give an account on fish products and byproducts. 10

**OR**

Write notes on :

(A) Sewage-fed fish culture. 5

(B) Construction of fish farm. 5

2. Give an account of Pearl culture. 10

**OR**

Write notes on :

(A) Breeding of live bearers. 5

(B) Fungal diseases of fishes. 5

3. Describe the life cycle, damage caused and control measures of cotton spotted bollworm, *Earias Vitella*. 10

**OR**

Write notes on :

(A) Merits and demerits of chemical control. 5

(B) Biological control of insect pests. 5

4. Give an account of structure and working of movable frame hive. 10

**OR**

Write notes on :

(A) Life cycle and rearing of tasar silkworm. 5

(B) Lac cultivation. 5

5. Write **four or five** lines on the following (any **ten**) :

(i) Salting

(ii) Ovatide

(iii) Liming

(iv) Water filter

(v) Costiasis

(vi) *Macrobrachium rosenbergii*

(vii) Pyrethroids

(viii) Damage caused by *Sitophilus oryzae*

(ix) Diseases caused by stable fly

(x) Types of silkworm

(xi) Economic importance of Lac

(xii) Castes of bee. 10