

**External Examination**  
**BSc. VI Semester**  
**Subject: Zoology**  
**Paper: Economic Zoology**  
**Course No.: ZO-601**

*Time Allowed- 3 hours*

*Max. Marks: 80 marks*

**Note: Attempt any four questions, each carry equal marks**

1. What is Pearl culture? Give a detailed account of Pearl culture with special reference to India. **20 Marks**
2. What is *in vitro* fertilization and embryo transfer? Discuss the various steps involved in embryo transfer in cattle. **20 Marks**
3. Write notes on any two of the following, each question carry **10 Marks**:
  - a. Characteristics of Rhode Island Red and Sahiwal
  - b. Life cycle of Silkworm
  - c. Applications of biopesticides
4. What are different types of poisonous Snakes? Discuss composition of their venom and a note on their role as rodent pest control? **20 Marks**
5. What is Lac culture? Discuss the process of Lac cultivation, its formation, processing and uses with special reference to India. **20 Marks**
6. Discuss any two of the following, each question carry **10 Marks**:
  - a. Bee venom as medicine
  - b. Composite fish culture
  - c. Principles of silkworm rearing
7. What is Poultry farming? Discuss the process of breeding and rearing of poultry in detail. **20 Marks**
8. Elaborate any two of the following, each question carry **10 Marks**:
  - a. Diagnostic features, damage and control measures of *Sitophilous oryze*
  - b. Biocontrol of insect pests
  - c. Pathogenicity and prophylaxis of Pebrine disease