



SHAH JALAL UNIVERSITY OF SCIENCE AND TECHNOLOGY, SYLHET

Department of Genetic Engineering and Biotechnology

B. Sc. (Hons) 2nd Year 1st Semester Examination, 2012

Course No. **GEB 201**, Course Title: **Zoology**

Credit: 3 Total Marks: 70 Time: 3 hours

Instructions:

- Number in the right side indicates the marks of the question
- Marks for each question are same
- Answer any **five (5)** of the following questions.

1. a) Define Taxonomy. Mention the basic units of classification with suitable example. 1+4
b) Write the rules of nomenclature according to ICZN. 4
c) Write down the characteristics of largest phylum in animal kingdom. 5
2. a) Write the systematic position of prawn. 3
b) Briefly describe the life history and development of Prawn 5
c) What are the general characteristics of *Labeo rohita*. 3
d) Write the economical and biotechnological importance of *Labeo rohita*. 3
3. a) Define ecosystem. What are the basic components of an ecosystem? 1+2
b) Briefly describe a pond ecosystem with examples. 6
c) State the ecological impact by changing the climate. 5
4. a) What do you mean by spermatogenesis? 2
b) Explain in brief the process of spermiogenesis. 7
c) Differentiate between spermatogenesis and oogenesis. 5
5. a) What is silk and honey? 3
b) Write down the life cycle of silk worm. 5
c) Write the economic importance of silk and honey. 6
6. a) What is disease, pathogen and parasites. 3
b) Points out the way of a disease study. 3
c) Describe the anthrax disease of cattle with causative agents, symptoms and control measures. 8
7. Write short notes on any FOUR of following: 3.5×4=14
 - a) Tuberculosis
 - b) Pebrine
 - c) Food web
 - d) Gill rot
 - e) CJD