A-3006
Second Year B. Sc. (Sem. III) Examination
March/April – 2015
Zoology : Paper - III

Time : Hours] [Total Marks : 50

1. A sequence of events leads to a particular outcome. Fill up strictly the details of signs on your answer book.
   S. Y. B. Sc. (SEM. 3)
   Name of the Subject:
   ZOOLOGY : PAPER - 3
   Subject Code No: 3006
   Seat No.:
   Student's Signature

2. (1) What is the name?
   (2) What is the purpose?
   (3) What are the advantages and disadvantages of this method?
   (4) What is the impact of this method on the ecosystem?

3. A case study of a particular animal species. Describe the habitat, behavior, and any threats to the species.

4. A discussion on the importance of biodiversity conservation. Outline the challenges and propose solutions.

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ENGLISH VERSION

Instructions:  
1. As per the instruction no. 1 of page no. 1.
2. Question 1 is compulsory.
3. Figures to the right indicate full marks of questions.
4. Draw labelled diagrams wherever necessary.

1. Do as directed:
   (i) What is swarming?
   (ii) Define: Hermaphrodite.
   (iii) Write tools necessary for rearing of silkworms.
   (iv) What is the function of hirudin in Leech?

2. Describe digestive system and digestion in Leech.  
   OR

2. Write notes:
   (i) General characters of phylum Porifera.
   (ii) Precautions taken during rearing of silkworms.

3. What is variation? Explain its various types and its role in evolution.  
   OR

3. Write notes:
   (i) Economic importance of honey and wax.
   (ii) Types of silk.

4. Describe deep sea adaptations in animals.  
   OR

4. Write short notes:
   (i) Cocoon formation in Leech.
   (ii) General characters of phylum Protozoa.