

Unique Paper Code: 42231102

Name of the paper: Animal Diversity

Name of the course: B.Sc (P) Life Sciences

Semester: I LOCF

Duration: 3 hours

Maximum Marks: 75 Marks

Instructions for candidates:

- (a) Attempt any 4 questions. All questions carry equal marks.
- (b) Draw well labelled diagrams wherever necessary.

downloaded from
StudentSuvidha.com

SET A

1. Describe the life cycle of *Taenia solium* with well labelled diagrams. Explain the reasons for its successful parasitic mode of life? 18.75
2. The life cycle of insects is quite complex and generally consists of several stages. Explain the variations of the process by which the young one hatching out from the egg transforms into adult in different groups of insects. Add a note on the endocrine control of this process. 18.75
3. Describe the various types of locomotory organelles of Protists and explain their role in locomotion. 18.75
4. Give the salient features of Class Amphibia. What do you understand by the term Parental care? Describe the parental care and its significance in amphibians with suitable examples. 18.75
5. Migration is one of the most amazing events in the life of many species of animals. Describe the process of migration of birds in details. 18.75
6. Elaborate the mechanism of maintaining the internal balance of salt and water in various groups of fishes that help them to adapt to their habitats. 18.75