

Unique Paper Code : 42231102_OC

Semester : I

Set : 1

Name of the Paper : Animal Diversity

Name of the Course : B.Sc. (P) Life Science, CBCS

Duration : 3 Hours

Marks : 75

Instruction for Students

Write your Roll No., Name of the paper, Course, Semester, and Date of examination on the first page of answer sheet.

There are two sections, Section A and Section B to be answered on separate answer sheets.

Answer any **TWO** questions from each section. **All questions carry equal marks.**

Substantiate your answer with diagrams wherever necessary.

Section A

Q1. Explain the life cycle of *Ascaris lumbricoides* with the help of well labelled diagram along with its parasitic adaptations. 18.75

Q2. Write general characteristics of phylum coelenterata and explain different types of polymorphism in Hydrozoa. 18.75

Q3. Write in details about regulation and different types of metamorphosis observed in the phylum arthropoda. 18.75

Section B

Q4. Discuss in details about the different theories which explains the origin of mammals. 18.75

Q5. Write the general characters of pisces. Explain in details the process of osmoregulation in fresh water and marine teleost. 18.75

Q6. . Discuss the general characters of reptiles along with the biting mechanism in snakes. 18.75