

UG – 364

BZOOI-1

B.Sc. DEGREE EXAMINATION – JUNE 2019.

First Year

Zoology

INVERTEBRATE ZOOLOGY

Time : 3 hours

Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Comment on binomial nomenclature.
2. List the general characters of phylum Coelenterata
3. List the morphological and physiological adaptations of helminthes
4. Discuss the evolutionary significance of trochopore larva
5. Classify phylum Mollusca and give examples to each class
6. Describe the sexual cycle of *Plasmodium* parasite

7. Write brief notes on different types of cells found in Sycon with their functions
8. List the general characters of annelids

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

9. Write in detail about the life cycle and pathogenesis of *Entamoeba*.
10. Explain the structure of an Obelia colony
11. Describe any two helminthes diseases in human
12. Classify phylum arthropoda up to classes with suitable examples
13. With neat diagram describe the digestive system of freshwater mussel
14. Describe the male reproductive organ of tape worm
15. Give a detail account on the digestive system of prawn
16. Write an essay on larval forms of echinoderms.

UG-366

BZOO2-2

B.Sc. Zoology DEGREE EXAMINATION
JUNE, 2019.

Second Year

VERTEBRATE ZOOLOGY

Time : 3 hours

Maximum marks : 75

PART A — (3 × 5 = 15 marks)

Answer any THREE questions.

1. Write the key characters of chordates.
2. Explain the structure of placoid scale with a neat diagram.
3. What are the different modes of frog respiration? Write notes.
4. Describe the digestive system of *Calotes versicolor*
5. “Birds are glorified reptiles”. Justify.

PART B — (4 × 15 = 60 marks)

Answer any FOUR questions.

6. Draw a neat sketch of Balanoglossus and describe its essential features.
 7. Write an essay on parental care in fishes.
 8. Give an account on sense organs of scoliodon.
 9. Describe in detail the respiratory organs of *Columba livia*.
 10. Give a detailed account on dentition in mammals.
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