

**First Year B.Sc. Degree Examination**  
**Aug/Sept 2009**  
**(Distance Education) (New Scheme)**  
**(Freshers)**

**ZOOLOGY**

**Paper-I : Non-Chordata, Chordata, Palaeontology And  
Zoogeography**

Time : 3 Hours

Max. Marks : 85

- Note :**
- 1) All questions are compulsory.
  - 2) Answer one mark questions in the first two pages of the main answer book.
  - 3) Draw diagrams wherever necessary.

**I. Simple questions:**

**12x1=12**

**Answer in a word, phrase or sentence:**

1. Name the body cavity present in sponges.
2. What is sexual dimorphism?
3. Name the Larva of Fresh water mussel.
4. Name the disease caused by liver fluke.
5. What is hirudin?
6. What is zoogeography?
7. Write any two parasitic protozoans.
8. Give an example for flying mammal.
9. Give an example for limbless amphibian.
10. What is blubber?
11. What are pneumatic bones?
12. What is heterodont condition?

**II. Short answer questions:**

**6x3=18**

**Answer any SIX of the following:**

13. Give the general characters of phylum porifera.
14. Mention 3 fundamental characters of the chordates.
15. State the characters of Hemichordata.

16. Explain discontinuous distribution with examples.
17. Assign the following structure to their respective phyla.  
a) Nematocysts    b) Choanocytes    c) Tube Feet
18. Classify the class amphibia upto orders with examples.
19. Describe the fauna of oriental region.
20. Draw a labelled diagram of Balanoglossus.

**III. Medium answer questions:**

7x5=35

**Answer any SEVEN of the following:**

21. List the salient features of the Class Amphibia.
22. State the general characters of phylum mollusca with examples.
23. Describe the life cycle of plasmodium vivax in man.
24. Give an account of Dinosaurs.
25. Describe the nervous system of Leech.
26. Mention the important characters of Mammalia.
27. Mention the distinctive characters of Aves with examples.
28. Classify the phylum Arthropoda with examples.
29. List the general characters of the phylum coelenterata.

**IV. Long answer questions.**

2x10=20

**Answer any TWO of the following:**

30. Describe the life history of liver fluke with neat labelled diagrams.
31. List out important characters of class Reptilia and classify upto orders with examples.
32. With the help of neat labelled diagram describe the water vascular system of starfish.
33. Describe the digestive system of Rabbit.

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