

**First Year B.Sc., Degree Examination****August/September 2010***(Distance Education) New Scheme - Freshers***ZOOLOGY****Paper: Non Chordata, Chordata, Palaentology and Zoogeography**

Time: 3 hrs]

[Max.Marks: 85

**Instructions to Candidates :**

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

12 X 1 = 12 Marks

1. Name the disease caused by *Entamoeba histolytica*.
2. What is spongocoel?
3. Mention the function of Hirudin.
4. Name the larva of starfish.
5. Name two parasitic worms.
6. What are 'pseudo coelomate' animals?
7. What is metamerism?
8. What are poikilotherms?
9. What is 'Thecodont' condition?
10. What is Bipolar distribution?
11. What is a mould?
12. Give an example for a Limbless Amphibian.

**II. Short Answer Questions.****Answer any SIX of the following:**

6 X 3 = 18 Marks

13. Describe Binomial nomenclature with an example.
14. Draw a neat labelled diagram of Balanoglossus.
15. State the characters of Urochordata.

16. Classify Amphibia up to orders with example.
17. List the salient features of Agnatha.
18. Explain discontinuous distribution with examples.
19. Assign the following structure to their respective phyla.  
a) Flame cells      b) Nephridia      c) Malphigian Tubules      d) Tubules
20. Describe the fauna of oriental region.

**III. Medium Answer Questions.**

*Answer any SEVEN of the following:*

7 X 5 = 35 Marks

21. Describe cephalic appendages of prawn.
22. Describe important characters of primates.
23. Explain salient features of chondrichthyes.
24. Describe 'Cycle of Golgi'.
25. Describe structure of a 'Testicular Nephridia of Leech'.
26. List important characters of coelenterata with examples.
27. Explain digestive system of Frog.
28. State the salient features of cyclostomata.
29. Describe the Nervous system of prawn.

**IV. Long Answer Questions.**

*Answer any TWO of the following:*

2 X 10 = 20 Marks

30. Explain life cycle of obelia with labelled diagram.
31. With the help of neat labelled diagram describe the water vascular system of starfish.
32. List the important characters of class Reptilia and classify up to orders with examples.
33. Describe Female reproductive system of Rabbit.

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