

First Year B.Sc., Degree Examinations

August/September 2011

Directorate of Distance Education

ZOOLOGY

Paper I : Non-Chordata, Chordata, Palaeontology and Zoogeography

Time: 3 hrs.]

[Max.Marks:75/85

Instructions to the Candidates :

1. Students who have attended 25 Marks IA Scheme will have to answer for total of 75 Marks.
2. Students who have attended 15 Marks IA Scheme will have to answer for total of 85 Marks.
3. All Questions are compulsory.
4. One mark question should be answered in first two pages of the answer book.
5. Draw neat labelled diagrams wherever necessary.
6. Question No. V is compulsory for 85 marks scheme.

I. Simple answer questions :

1 X 10= 10Marks

Answer in a word, a phrase or a sentence.

1. What is uropod?
2. Name the parasite which causes Amoebiasis in man.
3. What is polyp?
4. What is Hirudin?
5. Define regeneration?
6. Give an example for limbless Amphibia.
7. What is blubber?
8. Mention one example-for Hemichordata.
9. What are fossils?
10. Give an example for cyclastomata.

II. Short Answer Questions.*Write any FIVE of the following.*

5X 3= 15Marks

11. Mention distinctive characters of phylum Protozoa.
12. List the Zoogeographical realms of the world.
13. Explain the structure of Glochidium larva.

Contd...2

14. Draw a neat labeled diagram of dorsal view of brain of Shark.
15. Give a brief account on Trilobites.
16. What is Continuous distribution? Give two examples.
17. Assign the following to their respective phyla:
 - a) Jelly fish b) Cuttle fish c) Star fish.

III. Medium answer questions.

Answer any FIVE of the following.

5X6= 30Marks

18. Give an account on histology of sponges.
19. List out the main features of phylum Annelida.
20. Describe the water vascular system of star fish.
21. Explain briefly the cephalic appendages of Penaeus.
22. Give an account on sub regions and the fauna of oriental region.
23. Explain digestive system of rabbit.
24. Explain distinctive features of class Mammalia.

IV. Long answer questions :

2X10=20 Marks

Answer any TWO of the following.

25. Mention the distinctive features of phylum Arthropoda, Classify Arthropoda up to classes giving an example for each class.
26. Explain the male and female reproductive system of frog with the help of diagram.
27. Describe the life cycle of Fasciola hepatica with the help of diagram.
28. Write short notes on :
 - a) Carnivora b) Chondrichthyes

V. (Compulsory Question For 85 Marks Scheme only)

Long answer questions :

1X10=10 Marks

Answer any ONE of the following questions.

29. Describe the life cycle of Plasmodium Vivax in man.
30. Explain the general characters of class reptilia classify up to orders with examples.
