

DSA – 310 (ZOO-UG) (F)

**First Year B.Sc. Degree Examination, August/September 2008
(Freshers)**

**Directorate of Correspondence Course
ZOOLOGY**

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

Time : 3 Hours

Max. Marks : 80

Notes : 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.

1. Simple questions :

Answer in a word, phrase or sentence :

(12×1=12)

- 1) Name the locomotory structures in protozoa.
- 2) Mention the functions of choanocytes.
- 3) What are nematocysts ?
- 4) Name the excretory structures in Platy helminthes.
- 5) Name the locomotory structures in Annelida.
- 6) Name an animal where the shell is absent.
- 7) Name the phylum whose members are exclusively marine.
- 8) What are tracks and trails ?
- 9) Mention an example for Hemichordata.
- 10) What is heterodont dentition ?
- 11) Give an example for Cyclostomata.
- 12) Give an example for flying mammal.

P.T.O.



II. Short answer questions :

Answer any **SIX** of the following :

(6×3=18)

- 13) Classify the phylum Porifera upto classes with examples.
- 14) Assign the following animals to their respective Phyla :
 - a) Aurelia
 - b) Leech
 - c) Penaeus.
- 15) Draw a neat labelled diagram of Miracidium larva.
- 16) Mention any six characters of Chondrichthyes.
- 17) Classify the class : Amphibia upto orders with examples for each.
- 18) Explain discontinuous distribution with examples.
- 19) Mention 3 fundamental characters of the Chordates.
- 20) Mention the 6 zoogeographical realms.

III. Medium answer questions :

Answer any **FIVE** of the following :

(5×6=30)

- 21) Describe the life cycle of Plasmodium vivax in man.
- 22) Mention the general characters of the Arthropods with examples.
- 23) Give an account of dinosaur.
- 24) Describe the digestive system of leech with a neat labelled diagram.
- 25) Mention 6 important characters of the Aves.
- 26) Explain the factors affecting distribution of animals.
- 27) Mention the distinctive characters of Cetacea with examples.

IV. Long answer questions :

Answer any **TWO** of the following :

(2×10=20)

- 28) Explain the general characters of the Phylum : Mollusca and classify upto classes with examples.
 - 29) Describe the life history of Liver fluke with neat labelled diagrams.
 - 30) Explain the general characters of the class : Mammalia and mention any Four orders with examples.
 - 31) Describe the Venous system of Frog with a neat labelled diagram.
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