

First Year B.Sc., Degree Examinations

September/October 2015

(Directorate of Distance Education)

ZOOLOGY

DSA 310 : Paper I : Non-Chordata, Chordata, Paleontology and Zoo Geography

Time: 3 hrs.]

[Max.Marks:75/85

- Instructions :*
- 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. One mark questions should be answered in first two pages of the answer book.*
 - 4. Draw neat labelled diagrams wherever necessary.*
 - 5. Question No.V. is compulsory for 85 marks scheme.*

I. Simple answer questions.

Answer in a word or a phrase or a sentence.

10X1=10

1. Give an example for pouched mammal. Give an example for pouched mammal.
2. What is thecodont dentition ?
3. Mention the function of mantle.
4. Name the Phylum whose members have jointed legs.
5. Define bilateral symmetry.
6. What are cleidoic eggs ?
7. What is pygostyle ?
8. Define cloaca.
9. What are casts and moulds ?
10. Define binomial nomenclature.

II. Short answer questions.

Answer any FIVE of the following.

5X3=15

11. Give an account of fossil history of Trilobites.
12. Mention three classes of porifera with examples.
13. Assign the following to their respective Phyla
a) Euglena b) Tape worm c) Fresh water mussel.
14. Mention six Zoogeographical realms.

Contd...2

15. Draw a neat labelled diagram of star fish.
16. Classify the class reptilia with examples..
17. Explain principles of animal classification.

III. Medium answer questions.

Answer any FIVE of the following.

5X6=30

18. Describe the water vascular system of star fish.
19. State the distinctive features of Cetacea.
20. Describe the thoracic appendages of penaeus.
21. List the general characters of Phylum Annelida with examples.
22. Describe the respiratory system of Fresh water mussel.
23. Explain the geographical range, Physical features and fauna of oriental region.
24. List the characters and examples of Ctenophora.

IV. Long answer questions.

Answer any TWO of the following.

2X10=20

25. Describe the female urinogenital system of Rabbit.
26. Explain the general characters of the Phylum Arthropoda and classify upto classes with examples.
27. Describe the arterial system of frog.
28. Explain the life cycle of liver fluke.

V. Compulsory question for 85 Marks scheme only.

Answer any ONE of the following.

1X10=10

29. Explain the general characters of class mammalia with examples.
30. Describe the urinogenital system of Shark.

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