

Q.P. Code – 50625

**First Year B.Sc. Degree Examination, OCTOBER/NOVEMBER 2016
(Directorate of Distance Education)**

Zoology

**(DSA 310) Paper I – NON-CHORDATA, CHORDATA, PALAEOLOGY
AND ZOO GEOGRAPHY**

Time : 3 Hours]

[Max. Marks : 75/85

Instructions to Candidates :

- 1) *Students who have attended 25 marks I-A Scheme will have to answer for total of 75 marks.*
- 2) *Students who have attended 15 marks I-A 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 :

10 × 1 = 10

Answer in a word or a phrase or a sentence :

1. Expand GVC.
2. Give an example for aquatic mammals.
3. What is Petasma?
4. Define species.
5. What are flame cells?
6. Define Pericardium.
7. Define Zoogeography.
8. Name the disease caused by plasmodium vivax.
9. Define fossils.
10. Give one example for discontinuous distribution.

II. Short Answer Questions :

5 × 3 = 15

Answer any **FIVE** of the following :

11. Mention the classes of Phylum porifera with an example each.
12. What are the conditions essential for fossilisation?

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13. Mention three factors affecting the animal distribution.
14. Assign the following to their respective phyla :
 - (a) Ascaris
 - (b) Starfish
 - (c) Spongilla
15. Mention the three important characters of chordata.
16. Mention the orders of Amphibia with an example.
17. Draw a neat labelled diagram of Sycon.

III. Medium Answer Questions :

5 × 6 = 30

Answer any **FIVE** of the following :

18. Describe urinogenital system of female rabbit.
19. Explain the digestive system of Leech.
20. Write the salient features of carnivora.
21. Explain the geographical range, physical features and fauna of Australian regions.
22. List the general characters of phylum mollusca with examples.
23. Describe the cephalic appendages of penaeus.
24. Write the salient features of cephalochordata.

IV. Long Answer Questions :

2 × 10 = 20

Answer any **TWO** of the following :

25. Explain the respiratory system of Shark.
26. Explain the general characters of class Reptilia and classify upto orders with examples.
27. Explain life cycle of plasmodium vivax.
28. Write a note on factors affecting animal distributions.

V. Compulsory Question for 85 marks scheme only :

1 × 10 = 10

Answer any **ONE** of the following :

29. Write a note on geological time scale.
30. Write the salient features of class Aves.