

Roll No. _____

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SIS-N-062 B-19
B.Sc. I Semester Degree Examination
ZOOLOGY
Animal Diversity
Paper - DSC - 1Z
(New)

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates: 1. Answer all the questions.

2. Draw labelled diagram wherever necessary.

I. Answer any FEN of the following:

(10×2=20)

- 1) Aristotle's lantern.
- 2) Types of spicules.
- 3) Differentiate coelom & acoelom.
- 4) Flight muscles in Birds.
- 5) Lateral line system in fishes.
- 6) Foetal membranes.
- 7) Oviparity and Viviparity.
- 8) Evolutionary significance of peripatus.
- 9) Define radial symmetry with an example.
- 10) Orders of reptelia.
- 11) Sexual dimorphism with an example.
- 12) Mention types of nutrition in protozoa.

II. Answer any FOUR of the following in brief:

(4×5=20)

- 13) Locomotion in Protozoa.
- 14) General characters of Agnatha.
- 15) Metamerism in Annelida.
- 16) Parasitic adaptations in Nematyhelminthes.
- 17) Salient features of cartilaginous fishes.
- 18) Flight adaptations in Birds.

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III. Answer any **FOUR** of the following in detail:

(4×10=40)

- 19) General characters and classification up to classes of phylum Mollusca.
- 20) Polymorphism in Hydrozoa.
- 21) Life history of Taenia solium.
- 22) Metamorphosis in Insects.
- 23) Parental care in Amphibia.
- 24) General characters of class Mammalia and mention the orders on eutheria.

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