

June : 2026

ZOOLOGY

Paper: ZOO-C-201

ANIMAL DIVERSITY II

Time: 2 Hours

Total Mark: 45

(The figures in the right margin indicate full marks of the questions)

1. Fill in the blanks 1×5=5
 - a) *Balanoglossus* is an example of sub- phylum _____.
 - b) Limbless amphibian belongs to order _____.
 - c) _____ is the connecting link between reptiles and birds.
 - d) _____ cell helps in osmoregulation in fish.
 - e) In _____ swim bladder, bladder is attached with the oesophagus through a duct.

 2. Write short notes on (any three) 3×3=9
 - a) Evolutionary significance of Dipnoi
 - b) Structure of mammalian heart
 - c) Migration in birds
 - d) Anadromous migration in fish
 - e) Affinities of Hemichordata

 3. Write the general characteristics of Chordates. Discuss the advanced features of vertebrates over Protochordata. 2+4=6
- Or**
- Write the general characteristics of Urochordata. Discuss the retrogressive metamorphosis in Urochordata. 2+4=6

4. Classify Cyclostomata upto order with characters and examples. 6

Or

Write the general characters of Osteichthyes. Differentiate between Osteichthyes and Chondrichthyes. 2+4=6

5. Write general characters of Amphibia. Classify class Amphibia with their characters and examples. 2+4=6

Or

Discuss the poison apparatus and biting mechanism in snakes with suitable diagram(s). 6

6. Explain the principles and aerodynamics of flight in birds. 6

Or

Write general characters of mammals. What are the different types of teeth found in human? Write the dental formula of man. 3+2+1=6

7. Compare the forelimbs of birds and mammals. 7

Or

Compare the digestive system of reptiles and birds 7
