

I S Sadan

Subject Title: Animal Diversity-Vertebrates

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Year: 1

Semester: 2

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Unit - I: Long answer questions

1. General characters and classification of Hemichordata up to classes with examples.
2. Retrogressive metamorphosis and its significance in Urochordata
3. General characters and classification of Chordata upto orders with examples

Unit - I: Short answer questions

4. Comparison of the Petromyzon and Myxine.
5. Explain the structure of Balanoglossus
6. Write about the Affinities of Balanoglossus
7. Salient features of Urochordata
8. Salient features and affinities of Cephalochordata
9. General characters of Cyclostomata.

Unit-II: Long answer questions

10. General characters and Classification of fishes up to order level with examples
11. Scoliodon- Respiratory system
12. Scoliodon - Circulatory system.
13. Scoliodon - Nervous system
14. General characters and Classification of Amphibians up to order level with examples
15. Rana tigrina - Respiratory system
16. Rana tigrina-Circulatory system
17. Rana tigrina – Nervous system

Unit-II: Short answer questions:

18. Types of Scales
19. Parental care in Amphibians
20. Types of Fins in fishes
21. Truncus arteriosus
22. Chondrichthyes Fishes
23. Ostichthyes fishes

24. Neoteny and paedogenesis

Unit - III: Long answer questions

25. General characters and Classification of Reptilia up to orders with examples
26. Calotes – Respiratory system
27. Calotes – Circulatory system
28. Calotes - Nervous system
29. General characters & Classification of Aves up to orders with examples
30. Columba livia – Digestive system – Respiratory system, Circulatory and Nervous system
31. Columba livia – Respiratory system
32. Columba livia – Circulatory
33. Columba livia – Nervous system

Unit - III: Short answer questions:

34. Temporal fosse in reptiles and its evolutionary importance
35. Distinguished characters of Poisonous and Non poisonous snakes.
36. Rhynchocephalia.
37. Migration in Birds
38. Flight adaptations in Birds

Unit IV: Long answer questions

39. General characters & Classification of Mammalia up to orders with examples.
40. Rabbit –Digestive system
41. Rabbit – Circulatory system
42. Rabbit – Respiratory system
43. Rabbit - – Nervous system

Unit IV: Short answer questions

44. Dentition in Mammals
45. Aquatic adaptations in Mammals
46. Metatheria
47. Prototheria
48. Eutheria