R-19

Code:2312/R

Faculty of Science

B.Sc. (Zoology) I-Year, CBCS II Semester

Regular Examinations -June/July, 2022

PAPER: Animal Diversity-Vertebrates

Time: 3 Hours Max Marks: 80

Section-A

I. Answer any eight of the following (8x4=32 Marks)

1. List out the salient features of Urochordates
2. Write about the diagnostic characters of Chordates
3. *Balanoglossus* structure
4. Types of scales in fishes
5. Paedogenesis in Amphibians
6. Compare and contrast Cartilaginous fishes and Bony fishes
7. Poison apparatus in snakes
8. Classify the Reptilia showing living orders with examples
9. Types of feathers in birds
10. Metatherian mammals or Marsupials
11. Rabbit brain - structure
12. Process of digestion in Rabbit

Section-B

II. Answer the following questions (4x12=48 Marks)

13. (a) Write the characteristic features of Hemichordates and classify it up to classes

(OR)

(b) List out the affinities of Cephalochordates

14. (a) Describe the structure and functions of brain in *Scoliodon*

(OR)

(b) Narrate how the parental care in amphibians is specialized

15. (a) Write about the temporal fossae in Reptiles and add a note on their significance

(OR)

(b) Explain how the Birds are adapted to flight

16. (a) Describe the structure of heart in Rabbit

(OR)

(b) Explain the dentition in mammals

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R-19

Code: 2312/BL/19

Faculty of Science

B.Sc (Zoology) I-Year, CBCS II Semester Backlog Examinations -Jan, 2023

PAPER: Animal Diversity-vertebrates

Time: 3 Hours Max Marks: 80

Section-A

I. Answer any *eight* of the following questions (8x4=32 Marks)

1. Retrogressive metamorphosis
2. Comparison between Petromyzon and Myxine
3. General characters of Chordates
4. Types of scales in fishes
5. Draw a neat and labeled diagram of Scoliodon heart structure
6. Neoteny and Paedogenesis
7. Temporal fosse in Reptiles
8. Distinguished characters of poisonous and non-poisonous snakes
9. Air sacs in birds
10. Salient features of Prototheria
11. Structure of tooth in mammals
12. Aquatic adaptations in mammals

Section-B

II. Answer the following questions (4x12=48 Marks)

13. (a) Give an account on structure and affinities of Balanoglossus

(OR)

(b) Write salient features and affinities of Cephalochordata

14. (a) Give an account on classification of fishes up to order level with suitable examples

(OR)

(b) Describe the parental care in Amphibia

15. (a) Write general characters of Reptilia

(OR)

(b) Write an essay on flight adaptations in birds

16. (a) Describe the dentition in mammals

(OR)

(b) Describe the digestive system of Rabbit

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R-19

Code: 2312/19/REG

Faculty of Science

B.Sc (Zoology) I-Year, CBCS II Semester Regular Examinations -June, 2023

PAPER: Animal Diversity-vertebrates

Time: 3 Hours Max Marks: 80

Section-A

I. Answer any *eight* of the following questions (8x4=32 Marks)

1. Affinities of Balanoglossus
2. General characters of Cephalochordata
3. Comparison between Petromyzon and Myxine
4. Types of fins
5. Draw neat and labeled diagram of Scoliodon heart
6. Neoteny and Paedogenesis
7. Temporal fosse in reptiles
8. Differences between poisonous and Non poisonous snakes
9. Physiological adaptations in birds
10. General characters of Eutheria
11. Dentition in Mammals
12. Aquatic adaptations in mammals

Section-B

II. Answer the following questions (4x12=48 Marks)

13.(a) Explain in detail about retrogressive metamorphosis and its significant in Urochordates

(OR)

(b) Write general characters and classification of chordates up to classes level

14.(a) Describe the arterial system in Scoliodon

(OR)

(b) Describe the parental care in Amphibians

15.(a) Explain the circulatory system of frog (Rana tigrina)

(OR)

(b) Write an essay on migration in birds

16.(a) Write general characters and classification of Mammals up to classes level

(OR)

(b) Describe the digestive system of Rabbit

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