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Name.....

Reg. No.....

**FIRST SEMESTER (CBCSS—UG) DEGREE EXAMINATION
NOVEMBER 2023**

Zoology

ZOL 1C 01—ANIMAL DIVERSITY AND WILDLIFE CONSERVATION

(2021—2023 Admissions)

Time : Two Hours

Maximum : 60 Marks

Section A

I. Short Answer Questions. Each question carries 2 marks :

- 1 What is a Medusa ?
- 2 Write notes on E-species.
- 3 Write notes on *Ascaris*.
- 4 Describe the features of Phylum Dinoflagellata.
- 5 Comment on *Echeneis*.
- 6 Briefly write on the various levels of biodiversity.
- 7 What is Metagenesis ?
- 8 Describe IUCN.
- 9 Write notes on *Plasmodium vivax* as a human pathogen.
- 10 Briefly write on the threats to biodiversity.
- 11 Write an account of the major characters of Class Aves.
- 12 Comment on *Nasikabatrachus sahyadrensis*.

(Ceiling : 20 marks)

Section B

II. Paragraph Questions. Each question carries 5 marks :

- 13 Write an account on the affinities of Peripatus.
- 14 Describe the distinguishing features of Bivalvia and Cephalopoda.

Turn over

- 15 Write notes on Sub-phylum Urochordata with examples.
- 16 Describe Polychaetes.
- 17 What are biodiversity hot spots ? Which are the hot spots located in India ?
- 18 Structure of typical vertebra of rabbit with a diagram.
- 19 What are the salient features of Phylum Chordata ?

(Ceiling : 30 marks)

Section C

III. Essay Questions. Answer any *one* question :

- 20 Explain the life history of *Fasciola hepatica*.
- 21 With neat labeled diagrams describe the brain of *Oryctolagus* ?

(1 × 10 = 10 marks)

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Zoology

ZOL 1C 01—ANIMAL DIVERSITY AND WILDLIFE CONSERVATION

(2019—2022 Admissions)

Time : Two Hours

Maximum : 60 Marks

Section A

I. Short Answer Questions. Each question carries 2 marks :

- 1 Briefly describe horse-shoe crab.
- 2 List the major characters of Sub-phylum Cephalochordata.
- 3 What is red tide ?
- 4 Differentiate *Ex-situ* and *In-situ* conservation methods with suitable examples.
- 5 Write notes on *Bungarus*.
- 6 Mention the major objectives of the Wild Life Protection Act 1972.
- 7 What is sea-cucumber ?
- 8 Briefly describe *Hippocampus*.
- 9 Write notes on *Noctiluca*.
- 10 What is Red Data Book ?
- 11 What are the distinguishing characters of Phylum Porifera ?
- 12 Write notes on *Petromyzon*.

(Ceiling : 20 marks)

Section B

II. Paragraph Questions. Each question carries 5 marks :

- 13 What are the parasitic adaptations of *Hirudinaria*.
- 14 Describe the life cycle of *Obelia*.

Turn over

- 15 Write down the classification of Super-class Pisces with examples.
- 16 What are the adaptations of *Pteropus* ?
- 17 Write notes on Agnatha.
- 18 What are the parasitic adaptations of *Fasciola* ?
- 19 What are biodiversity hot spots ? Which are the hot spots located in India ?

(Ceiling : 30 marks)

Suction C

III. Essay Questions. Answer any *one* question :

- 20 Describe the characters and classification of Phylum Annelida with examples.
- 21 With a neat labelled diagram describe the heart of *Oryctolagus*.

(1 × 10 = 10 marks)

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**FIRST SEMESTER (CBCSS—UG) DEGREE EXAMINATION
NOVEMBER 2021**

Zoology

**ZOL 1C 01—ANIMAL DIVERSITY AND WILDLIFE CONSERVATION
(2019—2020 Admissions)**

Time : Two Hours

Maximum : 60 Marks

Section A

I. Short answer questions. Each question carries 2 marks :

- 1 Comment on *Sacculina*.
- 2 What is the concept of sustainable development ?
- 3 Mention the characters of *Vorticella*.
- 4 What is a gemmule ?
- 5 Give an account of *Ichthyophis*.
- 6 List the different functions of WWF.
- 7 Briefly describe *Hippocampus*.
- 8 Write a short note on the concept of threatened species.
- 9 Describe the general characters of Protista.
- 10 Explain mutualism with respect to Sea-anemone.
- 11 Write notes on *Branchiostoma*.
- 12 What is the significance and use of biodiversity ?

(Ceiling : 20 marks)

Section B

II. Paragraph questions. Each question carries 5 marks :

- 13 What are the ecological adaptations of *Chamaeleon* ?
- 14 Write down the general characters of Phylum Mollusca.
- 15 Describe the importance and strategies of wild life conservation.

Turn over

- 16 What are the parasitic adaptations of *Ascaris* ?
- 17 Write down the salient features of Class Mammalia.
- 18 Briefly describe the adaptations of *Rhacophorus*.
- 19 Write notes on *Pinctada fucata*.

(Ceiling : 30 marks)

Section C

III. Essay questions. Answer any *one* question :

- 20 Explain the water vascular system of star fish with suitable diagrams.
- 21 Write an essay on digestive system of Rabbit.

(1 × 10 = 10 marks)

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NOVEMBER 2021**

Zoology

ZOL 1C 01—ANIMAL DIVERSITY AND WILDLIFE CONSERVATION

(2021 Admissions)

Time : Two Hours

Maximum : 60 Marks

Section A*Answer atleast **eight** questions.**Each question carries 3 marks.**All questions can be attended.**Overall ceiling 24.*

1. What is Red Data Book ?
2. Write briefly on ex-situ conservation.
3. Citing an example explain the concept of endemism.
4. What is sustainable development ?
5. Mention the salient features of the phylum Rhizopoda.
6. What do you know about malaria ?
7. What is a living fossil. Mention two examples.
8. What is blood fluke ?
9. Explain sexual dimorphism in *Ascaris*.
10. What is retrogressive metamorphosis ? Mention an example.
11. Mention the arboreal adaptations of *Rhacophorus*.
12. Why *Narcine* is called 'electric ray' ?

(8 × 3 = 24 marks)

Turn over

Section B

*Answer atleast **five** questions.*

Each question carries 5 marks.

All questions can be attended.

Overall ceiling 25.

13. Write briefly on the threats to biodiversity.
14. Explain the salient features of the phylum Porifera.
15. Classify the phylum Coelenterata down to classes giving salient features and one example for each class.
16. Write a note on the poisonous snakes you have studied.
17. With a labeled sketch explain the structure of the pelvic girdle of *Oryctolagus*.
18. With labeled diagrams explain the abdominal appendages of *Penaeus*.
19. Write the salient features of the phylum Mollusca.

(5 × 5 = 25 marks)

Section C

*Answer any **one** question.*

The question carries 11 marks.

20. With labeled diagrams explain the structure of the brain of *Oryctolagus*.
21. With a labeled diagram explain the structure and working of the compound eye of *Penaeus*.

(1 × 11 = 11 marks)