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Name.....

Reg. No.....

**FIRST SEMESTER (CBCSS-UG) DEGREE EXAMINATION
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)