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R – 3147

Reg. No. :

Name :



Second Semester B.Sc. Degree Examination, September 2023

First Degree Programme under CBCSS

Zoology

Core Course II

ZO 1241 : ANIMAL DIVERSITY II

(2019 Admission Onwards)

Time : 3 Hours

Max. Marks : 80

- I. Answer **all** questions in **one** or **two** sentences. Each question carries **1** mark.
1. What is the scientific name of 'pearl spot'?
 2. Name an egg laying mammal.
 3. Name an air breathing fish.
 4. List the different types of feathers found in penguin?
 5. Name a non-poisonous snake.
 6. What is pedomorphosis?
 7. What is the significance of *Nasikabatrachus* in understanding the biogeography of the region?
 8. Which animals are included under Chelonia?
 9. Name a member of order proboscidea.
 10. What do sharks and chimeras have in common?

(10 × 1 = 10 Marks)

P.T.O.

II. Answer any **eight** questions. (Each question carries **2** marks and answers should not exceed **one** paragraph).

11. List down the five basic characteristics of a chordate.
12. What is retrogressive metamorphosis?
13. Mention parental care in amphibians.
14. What are the adaptations of *Chamaeleon*?
15. What are alien fishes? How does it impact biodiversity?
16. Differentiate between orders Perissodactyla and order Artiodactyla.
17. What are the adaptations of aquatic mammals?
18. Name the groups of animals included under order carnivora.
19. Explain the structure of the poison gland in reptiles.
20. What is pecten oculi a structure found in the eyes of birds?
21. What is the difference in excretion between birds and fishes?
22. How does amphibians respire?

(8 × 2 = 16 Marks)

III. Answer any **six** questions. (Each question carries **4** marks, each answer should not exceed **120** words).

23. Write down the general characters of Agnathans.
24. Write down the peculiarities of flightless birds.
25. Write down the classification of class Mammalia.
26. Mention about any four edible fishes.
27. What are the features of order Apoda?
28. What is the significance of *Archaeopteryx*.
29. Write down the peculiarities of egg laying mammals.

30. What are the different types of snake venom?
31. Write down the salient features of order chiroptera, mention their adaptations.

(6 × 4 = 24 Marks)

IV. Answer any **two** questions. (Each question carries **15** marks).

32. Write an essay on the comparative anatomy of the brain of vertebrates.
33. Write an essay on dentition in mammals.
34. Write down the general characteristics and classification of superclass Tetrapoda, mention each of the classes and their salient features.
35. Write an essay on Urochordata and Cephalochordata.

(2 × 15 = 30 Marks)