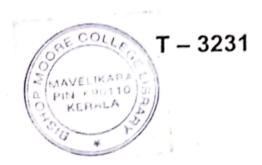
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Second Semester B.Sc. Degree Examination, August 2024 First Degree Programme under CBCSS

Zoology

Core Course II

ZO 1241: ANIMAL DIVERSITY II

(2019 Admission Onwards)

Time: 3 Hours

Max. Marks: 80

Draw diagrams if specified in the question.

- I. Answer all questions in one to two sentences. Each question carries 1 mark.
- 1. Give the function of the Wheel Organ in Amphioxus.
- 2. What are Lung Fishes? Give an example.
- 3. Comment on Chimaera.
- 4. Mention the common name of Pavo cristatus.
- Define Tetrapoda.
- Comment on a Living Fossil from Fishes.
- Give the scientific name of a Blind Apodan.

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- 8. Name the poisonous snake in Kerala, which is Viviparous.
- 9. Which animal is regarded as "The Ship of the Desert"?
- 10. Write the Genus name of the Australian Kangaroo.

 $(10 \times 1 = 10 \text{ Marks})$

- Answer any eight questions out of twelve. Each question carries 2 marks and answers not to exceed one paragraph.
- Contrast Chondrichthyes and Osteichthyes.
- 12. What is Amplexus?
- Compare Holostei fishes and Teleost fishes.
- Comment on Alien fish species.
- 15. Explain Neoteny, with an example.
- 16. Distinguish Alligators from Crocodiles.
- 17. Describe Accessory respiratory organs in fishes.
- 18. How will you distinguish venomous snakes from the non venomous.
- 19. Explore the Connecting link between reptiles and birds.
- 20. Give the role of Chiroptera with regard to its habit and habitat.
- 21. What are Zoonoses? Give an example.
- 22. Mention the diversity of Rodents in the backyard.

 $(8 \times 2 = 16 \text{ Marks})$

- III. Answer any six out of nine questions. Each question carries 4 marks, each answer not to exceed 120 words.
- Give the diagnostic features of sub-phylum Cephalochordata.
- Comment on the Ascidian Tadpole larva.
- List any eight edible food fishes of Kerala.
- Mention the evolutionary significance of Sphenodon.
- 27. With Ascidia as an example, explain Retrogressive Metamorphosis.
- 28. Explain the various modes of Respiration seen in Frogs.
- 29. List the Sub-classes of Reptilia, giving an example each.
- 30. Briefly write upon different Feathers in Pigeon.
- 31. Add a note on Mammalian Dentition.

 $(6 \times 4 = 24 \text{ Marks})$

- IV. Answer any two out of four questions. Each question carries 15 marks.
- Discuss any four Flightless Birds, giving their geographical areas.
- Illustrate the Digestive System in Frog, with a diagram.
- 34. Explore the Orders in Class Mammalia, with an example each.
- 35. Review Snake Poisons, and their mode of action.

 $(2 \times 15 = 30 \text{ Marks})$