

BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025
2025 ADMISSIONS REGULAR
SEMESTER I - MINOR - B (ZOOLOGY)
ZO1DSCB101B24 - Marvels of the Animal Kingdom

Time : 1.5 Hours

Maximum Marks : 50

Part A

Answer all questions. Each question carries 1 mark.

(1x10=10)

1. Animals with a flexible rod-like structure in early development are called _____. [CO1, Understand]
2. Relationship where barnacles attach to whales is called _____. [CO1, Understand]
3. Five-kingdom classification was proposed by _____ in 1969. [CO1, Understand]
4. Process of pairing between male and female animals for reproduction is called _____. [CO2, Understand]
5. Name the enzyme involved in light production in bioluminescent organisms. [CO2, Understand]
6. Structure used by male seahorses to carry embryos is called _____. [CO2, Understand]
7. Name the organism used as a bioindicator of air quality. [CO3, Understand]
8. Name an insect known for constructing tall earthen mounds with ventilation systems. [CO3, Understand]
9. Identify the butterfly with a wing pattern resembling a dry leaf. [CO3, Understand]
10. The book *The Fall of a Sparrow* is the autobiography of _____. [CO4, Understand]

Part B

Answer any 2 questions from the bunch of CO1. Each question carries 5 mark.

(5x2=10)

11. Explain the roles of animals in an ecosystem. [CO1, Understand]
12. Describe the different types of herbivores with examples. [CO1, Understand]
13. Explain different types of aerial habitat. [CO1, Understand]

Part B

Answer any 2 questions from the bunch of CO2. Each question carries 5 mark.

(5x2=10)

14. Explain briefly the types of cannibalism in spiders. [CO2, Understand]
15. Write a note on breeding and parental care in strawberry poison dart frog. [CO2, Understand]
16. Explain how track shape, size, and gait patterns help in identifying animals. [CO2, Understand]

Part B

Answer any 2 questions from the bunch of CO3. Each question carries 5 mark.

(5x2=10)

17. Explain the benefits of schooling in fishes with respect to predator protection and foraging. [CO3, Understand]
18. Discuss camouflage, bluffing, and evasive tactics of non-venomous snakes. [CO3, Understand]
19. Explain the use of freshwater mussels, crayfish, and lichens as bioindicators. [CO3, Understand]

Part C

Answer any 1 question from the bunch of CO4. Each question carries 10 mark.

(10x1=10)

20. Discuss the life and work of Kallen Pokkudan in mangrove conservation. [CO4, Understand]
21. Explain the contributions of Kurien, Salim Ali, Bahuguna, and Pokkudan to biological sciences and conservation in a comparative account. [CO4, Understand]