

BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025
2025 ADMISSIONS REGULAR
SEMESTER I - MAJOR (ZOOLOGY)
ZO1DSCA01B24 - 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. List 2 examples of detritivores. [CO1,Remember]
2. Define mutualism. [CO1,Understand]
3. Define taxonomy. [CO1,Understand]
4. American Foulbrood primarily affects which stage of bees? [CO2,Understand]
5. Mention the main role of drones in a honey bee colony? [CO2,Understand]
6. Name the mite that weakens honey bees by feeding on their blood and transmitting viruses. [CO2,Understand]
7. Example of a desert rodent that produces urine more concentrated than seawater. [CO3,Remember]
8. Write down the civilian honour received by Dr. Salim Ali in 1958. [CO4,Remember]
9. Mention the species of mangrove popularly planted by Kallen Pokkudan. [CO4,Remember]
10. Identify the women leader of Chipko movement in Reni village. [CO4,Remember]

Part B

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

(5x2=10)

11. Viruses are parasites. Justify. [CO1,Understand]
12. Explain the role of animals in an ecosystem. [CO1,Remember]
13. Describe different types of habitats on Earth. [CO1,Understand]

Part B

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

(5x2=10)

14. Write a note on breeding and parental care in strawberry poison dart frog . [CO2,Understand]
15. List and explain any five major causes of honey bee population decline. [CO2,Understand]
16. Explain briefly the types of cannibalism in spiders. [CO2,Understand]

Part B

Answer any 2 questions from the bunch of CO4. Each question carries 5 mark.

(5x2=10)

17. Write a short note on Dr. Salim Ali's contributions to bird conservation and taxonomy. [CO4,Understand]
18. Discuss the ecological and social importance of mangroves as promoted by Kallen Pokkudan. [CO4,Understand]
19. How did Sundarlal Bahuguna contribute to environmental awareness through the Chipko Movement? [CO4,Understand]

Part C

Answer any 1 question from the bunch of CO3. Each question carries 10 mark.

(10x1=10)

20. Describe the importance of coral reefs in biodiversity, coastal protection, and the economy, along with major threats. [CO3,Understand]
21. Adaptations of mimicry, colouration, and bioindicators in animals for survival and ecosystem monitoring - analyze with examples. [CO3,Understand]