

(FOR THE CANDIDATES ADMITTED

24UZY202

DURING THE ACADEMIC YEAR 2024 -2027 ONLY)

REG.NO.

N.G.M. COLLEGE (AUTONOMOUS) : POLLACHI

END-OF-SEMESTER EXAMINATIONS : MAY 2025

B.SC.ZOOLOGY (Aided)

MAXIMUM MARKS: 75

SEMESTER: II

TIME : 3 HOURS

PART - III

24UZY202– CHORDATA

SECTION – A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS. (K1)

1. Protochordatas don't have_____
- A) Cranium B) Open Circulatory Systems C) Gills D) Post anal Tail
2. In Amphibians, Organ of Jacobson is for_____
- A) temperature B) pressure C) smell D) sound
3. Most Reptiles are_____
- A) ammonotelic B) ureotelic C) ureotelic over land D) uricotelic
4. The soundbox of Birds is also known as_____
- A) Symsacrum B) Pygostyle C) Syrinx D) Larynx
5. Egg-laying mammals are grouped as_____
- A) Eutheria B) Prototheria C) Rodentia D) Metatheria

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES

(K2)

6. Define cartilaginous fish.
7. Express the Hallux in frog.
8. What is fang? And explain its function.
9. Relate the need of bird ringing and its uses.
10. Point out the salient features of mammals.

SECTION – B

(5 X 5 = 25 MARKS)

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.(K3)

11. a) List the general characteristic features of Herdmania.
(OR)
b) Describe the Placoid scales of shark.
12. a) Interpret the mechanism of respiration adopted by *Rana hexadactyla* to suit dual mode of life.
(OR)
b) Sketch and explain the Hind limb of frog.

13. a) Describe the circulatory system of Calotes.
(OR)
b) Assess the first aid for the snake bite.
14. a) Find the Pecten of birds.
(OR)
b) Explain the need and the types of bird migration.
15. a) Illustrate on circulatory system of Rabbit.
(OR)
b) Point out the salient features of Protheria.

SECTION – C**(5 X 8 = 40 MARKS)****ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.K4 (Or) K5)**

16. a) Discuss the affinities of Amphioxus with other vertebrates, primitive and specialized characters.
(OR)
b) Summarize the parental care in fishes with suitable examples.
17. a) Construct a note on the heart of a frog.
(OR)
b) Outline the the female urinogenital system of frog and explain it.
18. a) Analyze the digestive system of Calotes.
(OR)
b) Discuss the poisonous and non-poisonous snakes of India.
19. a) Explain in detail the Male urinogenital system of birds.
(OR)
b) Explore the flight adaptation of birds.
20. a) Give a note on the brain of the Rabbit.
(OR)
b) Differentiate between Metatheria and Eutheria.
