

(FOR THE CANDIDATES ADMITTED

25UZY202

DURING THE ACADEMIC YEAR 2025 ONLY)

REG.NO. :

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

END-OF-SEMESTER EXAMINATIONS : MAY 2026

BSC ZOOLOGY

MAXIMUM MARKS: 75

SEMESTER: II

TIME : 3 HOURS

PART - III

25UZY202 – CHORDATA

SECTION – A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

1. Name the layer from which the notochord is primarily derived. _____
a) Mesoderm b) Endoderm c) Ectoderm d) Neural crest
2. Choose the order of *Rana hexadactyla*. _____
a) Caudata b) Anura c) Urodela d) Gymnophiona
3. Which of the following is the first aid of snake bite?
a) Cutting the wound
b) Tourniquet application
c) Immobilization of the limb
d) Sucking venom
4. Select the main flight muscles of birds _____
a) Intercostal muscle
b) Pectoralis major and supracoracoideus
c) Deltoid muscle
d) Abdominal muscle
5. What is the characteristic feature of prototheria?
a) Viviparity b) Placenta c) Egg Laying d) Marsupium

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES

6. Indicate any two characteristic features of Chordata.
7. Explain the respiratory organs of a frog.
8. Define poison apparatus in a snake.
9. Outline the synsacrum.
10. Specify the examples of prototheria.

(CONT...2)

SECTION – B**(5 X 5 = 25 MARKS)****ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.**

11. a) Sketch and label the digestive system of *Scoliodon*.
(OR)
b) Evaluate the general characteristics of the Ascidian.
12. a) Describe the girdles and limbs of frog.
(OR)
b) Discuss the type of nests.
13. a) Compare poisonous and non- poisonous snakes.
(OR)
b) Assess the excretory system of *Calotes* with a suitable diagram.
14. a) List the flight adaptations of birds.
(OR)
b) Describe the migration in birds with their advantages.
15. a) Discuss the External heart of *Oryctolagus cuniculus* with a diagram.
(OR)
b) Sketch and label the digestive system of *Oryctolagus cuniculus*.

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

16. a) Analyze the affinities and general characters of *Branchiostoma lanceolatum*.
(OR)
b) Evaluate the respiratory system of *Scoliodon* and explain the structure of gills.
17. a) Summarize the male and female reproductive systems in amphibians.
(OR)
b) Examine the respiratory system of *Rana hexadactyla*.
18. a) Discuss the biting mechanism in snakes.
(OR)
b) Compare the male and female reproductive systems of *Calotes versicolor* with suitable diagram.
19. a) Conclude the urino-genital system of *Columba livia*.
(OR)
b) Summarize the digestive system of *Columba livia* with the digestive glands involved.
20. a) Compare Metatheria and Eutheria with suitable examples.
(OR)
b) Discuss the general organization of the brain of *Oryctolagus cuniculus*.
