

(FOR THE CANDIDATES ADMITTED
DURING THE ACADEMIC YEAR 2021 ONLY)

(NO OF PAGES: 2)

21UZY202

REG.NO

NGM COLLEGE (AUTONOMOUS) POLLACHI
END-OF-SEMESTER EXAMINATIONS: JULY- 2022

B.Sc -Zoology
II SEMESTER

MAXIMUM MARKS: 70
TIME: 3 HOURS

PART III
CHORDATA

SECTION – A (10 X1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS

MULTIPLE CHOICE QUESTIONS

(K1)

1. Balanoglossus is also called as _____
(a) Sea squirt (b) Comb jelly (c) Tongue worm (d) Lung worm
2. Which feature in the development of frog is a general characteristic of amphibia and not of other vertebrates?
(a)The almost entire replacement of the notochord by vertebrate
(b)The formation of gill pouches and lungs from the anterior part of the gut
(c) The formation of external gills
(d) The breakdown of tail tissues at metamorphosis
3. Which one of the following is not a true snake?
(a) Coral snake (b) Rat snake (c) Glass snake (d) Blind snake
4. The soundbox of birds is also known as _____
(a) Sphyrinx (b) Pygostyle (c) Syrinx (d) Larynx
5. Monotremata is a group of animals which include _____
(a)Fishes with single gill apertures
(b)Insects with a single pair of spiracles
(c) Mammals in which testes lie in the abdominal cavities
(d)Mammals whose females are provided with a pouch for carrying the young ones

ANSWER THE FOLLOWING IN ONE OR TWO SENTENCES

(K2)

6. Demonstrate the mechanism of Diaphragm
7. Define: Latitudinal migration
8. What is sphyrinx?
9. State the function of Air sacs.
10. Write a short note on Pteropus

(CONTD....2)

SECTION – B**(5 X 4 = 20 MARKS)****ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K3)**

11. a) Give an account of retrogressive metamorphosis in Ascidian.
(OR)
b) Outline the classification of phylum chordate with an example.
12. a) Describe about the parental care in amphibian.
(OR)
b) Describe the general characters of class Amphibia..
13. a) Discuss the structure of poison apparatus in snakes.
(OR)
b) Outline the classification of class Reptilia upto order level.
14. a) Explain in detail the flight adaptation in birds.
(OR)
b) Draw and describe the structure of arterial system of pigeon.
15. a) Write a brief note on Marsupials.
(OR)
b) With a neat sketch, explain the structure of rabbit brain.

SECTION - C**(4 X 10 = 40 MARKS)****ANSWER ANY FOUR OUT OF SIX QUESTIONS.****(16TH QUESTION IS COMPULSORY AND ANSWER ANY THREE QUESTIONS FROM Q.NO: 17 TO 21)****(K4) OR (K5)**

16. What is migration, Elaborate avian migration and summarize its advantages.
17. Discuss in detail about the structure of the digestive system of Amphioxus.
18. Describe the structure and working of arterial system of frog with a neat sketch.
19. How are the poisonous and non-poisonous snakes of South India identified?
20. Write an essay on flightless birds.
21. Criticize on dentition in mammals.