

(FOR THE CANDIDATES ADMITTED

24UBY1A1

DURING THE ACADEMIC YEAR 2024

ONLY)

REG.NO.

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

END-OF-SEMESTER EXAMINATIONS : NOVEMBER 2024

B.Sc ZOOLOGY

MAXIMUM MARKS: 75

SEMESTER:I

TIME : 3 HOURS

PART - III

24UBY1A1 –INVERTIBERATES & VERTIBERATES

SECTION – A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

(K1)

1. Which is the organ of offense and defence in phylum Coelenterata_____ .
a. Nematocyst b. otolith c. tube feet d. osculum
2. Choose the class in which Tape worm comes_____
a. Trematoda b. Cestoda c. Oligocheta d. polychetae
3. Match the aquatic respiratory organ in Pila_____
a. lungs b. Ctenidium c. skin d. radulla
4. Select a limbless amphibian from the following_____
a. Salamander b. Ichthyophis c. scoliodon d. Frog
5. Name the feather which is present on the tail region of Pigeon_____
a. rectrices b. coverts c. remiges d. contours

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES

(K2)

6. Brief Cyclosis.
7. Explain the Scolex.
8. What Labium.
9. Define Cephalochordata.
10. Name few poisonous snakes.

SECTION – B

(5 X 5 = 25 MARKS)

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

11. a).Describe the structure of *Paramecium*.

(OR)

- b). Draw the diagram of *Obelia* and explain its structure.

12. a). Interpret the characteristics of Phylum Platyhelminthes.
(OR)
b) Sketch the female reproductive of Cockroach and explain.
13. a) Infer the external structure of Star fish
(OR)
b) Illustrate the general characteristics of Mollusca.
14. a) Describe the structure and functions of Placoid scale
(OR)
b) Examine the Pulmonary respiration in amphibians.
15. a) Demonstrate the Male reproductive system of Calotes.
(OR)
b).Comment on the structure and functions of Contour feather.

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 different types of coral reefs (K4)
(OR)
b).Narrate the conjugation in *Paramecium*. (K4)
17. a)Discuss parasitic adaptations of Helminthes(K4)
(OR)
b) Summarize the structure of digestive system of cockroach. (K4)
18. a) Formulate the economic importance of Mollusca. (K4)
(OR)
b).Elucide the Water Vascular system of Star fish. (K4)
19. a) Add notes on the general characteristics of Chordates. (K4)
(OR)
b). Summarize the structure of Amphioxus with neat sketch. (K4)
20. a).Birds are well adopted for aerial mode of life-Justify. (K4)
(OR)
b).List down the general characteristics of Class Mammlia.(K4)
