

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2023
(Second Semester)

Branch – ZOOLOGY

CHORDATA / ANIMAL DIVERSITY- II

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (5 x 1 = 5)

1. Which of the following structures is present in all the chordates
(i) Notochord (ii) Spinal cord
(iii) Cranium (iv) Vertebral column
2. Which one of the following is an example of a lung-fish
(i) Labeo (ii) Scoliodon
(iii) Protopterus (iv) Coelacanth
3. *Ichthyophis* belongs to
(i) Aves (ii) Amphibia
(iii) Reptilia (iv) Mammalia
4. Poison glands of snake are modified
(i) Salivary glands (ii) Ceruminous glands
(iii) Sebaceous glands (iv) Endocrine glands
5. Penguin and kiwi are
(i) Four-toed birds (ii) Running birds
(iii) Migratory birds (iv) Flightless birds

SECTION – B (15 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (5 x 3 = 15)

6. a) Give the general characters of Chordata.
OR
b) State that the sensory organs of *Amphioxus*.
7. a) Explain the morphology of *Scoliodon*.
OR
b) Describe the edible freshwater fish of Rohu.
8. a) Narrate the salient features of class Amphibia.
OR
b) Draw and label the female urinogenital system of frog.
9. a) Differentiate between poisonous and non-poisonous snakes in south India.
OR
b) Explain about the biological status of *Sphenodon*.
10. a) List down the functions of feathers in Pigeon.
OR
b) Explain about the mechanism of respiration in Rabbit.

Cont...

SECTION – C (30 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(5 × 6 = 30)

11. a) Explain about the digestive system of Branchiostoma.

OR

b) Describe the retrogressive metamorphosis of Ascidian.

12. a) Highlight the migration in fishes.

OR

b) Give an account on edible freshwater fish Tilapia.

13. a) Discuss the digestive glands of frog.

OR

b) Explain the parental care Amphibians.

14. a) Describe the renal portal system of Calotes.

OR

b) List out the extinct Reptiles.

15. a) Describe the migration in birds.

OR

b) Summarize the aquatic adaptation in mammals.

Z-Z-Z

END