

Branch - ZOOLOGY

ANIMAL DIVERSITY - II

Time : Three Hours

Maximum : 75 Marks

SECTION-A (20 Marks)

Answer ALL questions

ALL questions carry EQUAL marks * (10x2 = 20)

- 1 Wheel organ.
- 2 Tunicates.
- 3 Placoid scales.
- 4 Dipnoi.
- 5 Buccal respiration.
- 6 Vocal sacs.
- 7 Cold blooded animals.
- 8 Rhynchocephalia.
- 9 Syrinx.
- 10 Dentition.

SECTION - B (25 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5x5 = 25)

- 11 a Give the general characters of chordata.
OR
b Describe the external features of Amphioxii with labeled sketches.
- 12 a Discuss the digestive system of shark.
OR
b Give a brief account on *Rohu*.
- 13 a Explain the salient features of the class amphibia.
- OR
b Explain the respiratory system of frog.
- 14 a Give the general characters of class reptilia.
OR
b Describe the structure of heart of Calotes.
- 15 a Write a short note on the flight muscles of birds.
* OR
b Describe the digestive system of rabbit.

SECTION - C (30 Marks)

Answer any THREE Questions

ALL Questions Carry EQUAL Marks (3 x 10 = 30)

- 16 What is retrogressive metamorphosis? Explain its with reference to the life cycle of Acidian.
- 17 Explain the organization and affinities of dipnoi.
- 18 Discuss in detail the parental care in amphibia.
- 19 Give a detailed account on poisonous snakes of South India..
- 20 Describe the aquatic adaptations in mammals.