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**5326**

Register Number

Name of the Candidate:

**B.Sc. DEGREE EXAMINATION, May 2015**

**(ZOOLOGY)**

**(SECOND YEAR)**

**(PART- III)**

**(GROUP-A: MAIN)**

**640: ANIMAL DIVERSITY-II (CHORDATA)**

Time: Three hours

Maximum: 100 marks

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**SECTION-A**

**(10×2=20)**

**Answer any TEN questions**

1. Ascidians.
2. Petromyzon.
3. Any four salient features of fishes.
4. Lateral line sense organs.
5. Endostyle.
6. Enlist the three salient features of Chordata.
7. Cecaelians.
8. Ductus Caroticus.
9. Squamata.
10. Monotremes.
11. Marsupials.
12. Aquatic Mammals.
13. Mesonephric Kidney.
14. Feathers.
15. Scales of fishes.

**SECTION-B**

**(5×7=35)**

**Answer ALL questions**

16. a) Write briefly on parental care in fishes.  
(OR)  
b) Explain the respiratory system of Shark.
17. a) Explain the structural organization of Cephalochordates.  
(OR)  
b) Explain the salient features of Hemichordates with its affinities.

18. a) Enlist the salient features of Amphibia and classify up to orders.

(OR)

b) Write briefly on parental care in Amphibia.

19. a) Write briefly on flightless birds.

(OR)

b) Explain the flight muscles in birds.

20. a) Discuss on integumentary system.

(OR)

b) Compare the kidney of fishes, amphibians and mammals.

**SECTION-C**

**(3×15=45)**

**Answer any THREE questions**

21. Classify Prochordata up to orders and write down their inter relationships.

22. Discuss on the migration in fishes.

23. Write an account on the poisonous snakes of India.

24. Describe different types of dentition in Mammals.

25. Explain the comparative anatomy of heart in Chordates.

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