



**Avinashilingam Institute for Home Science and Higher Education for Women
(Deemed to be University) Coimbatore-641 043**

Bachelor's Degree Examination April/May - 2019

Semester II

**Class : I UG
Major : Zoology**

**Time:3 Hrs
Max.Marks :100**

18BZOC04-CHORDATA I

**Part-A (10×1=10)
Circle the correct answer**

1. In urochordates notochord is present in _____ region.
a. Head b. Middle c. Tail d. All
2. Arachnid theory of origin of chordates was proposed by.
a. Pattern b. Hillarie c. Garstang d. Barington
3. Placoid scales are seen in
a. Catla b. Mystus c. Clarius d. Shark
4. Lateral line sense organs of shark acts as.
a. Photoreceptor b. Phono receptor c. Rheoreceptor d. Thermoreceptor
5. Pick out the excretory organ of amphioxus from the following.
a. Rostrum b. Oral hood c. Solenocytes d. Hatschek's pit
6. Larva of Balanoglossus.
a. Tadpole b. Tornoric c. Ammocoetus d. Nauplius
7. Arborescent organs are found in
a. Anabas b. Clarius c. Periopthalmus d. Electric eel
8. Lepidosiren makes _____nets to deposit eggs.
a. Bubble nest b. Weed nest c. Pit nests d. Mud nests
9. Heart of frog is _____ chambered
a. 2 b. 3 c. 3 1/2 d. 4
10. Tadpole is
a. Ammonotelic b. Urotelic c. Uricotelic d. Guanotelic

Part-B
Answer the following
Answer should not exceed 200 words or one page

5×6=30

11. a. Write down the general characters of chordates.
(Or)
11. b. Classify chordates with their diagnostic features.
12. a. Describe the morphology of Amphioxus.
(Or)
12. b. Comment on tornaria larva of ascidian.
13. a. Explain the digestive system of shark.
(Or)
13. b. With neat labelled sketch explain the venous system of shark.
14. a. Give a detailed account on migration of fishes.
(Or)
14. b. Examine the economic importance of fishes.
15. a. Discuss the structure and working of frogs heart.
(Or)
15. b. Illustrate the metamorphosis of frog.

Part-C
Answer the following
Answer should not exceed 700 words

5×12=60

16. a. Write an essay on origin of chordates.
(Or)
16. b. Elucidate the affinities of amphioxus.
17. a. Discuss the retrogressive metamorphosis of ascidian.
(Or)
17. b. "Balanoglossus is an invertebrate and not a chordate"- justify.
18. a. Give a detailed account on the respiratory system of shark.
(Or)
18. b. Emphasize the cranial nerves of shark with their functions.
19. a. Elucidate the accessory respiratory organs of fishes.
(Or)
19. b. What are Dipnoi? Narrate their affinities.
20. a. Write an essay on adaptive radiation in mammals.
(Or)
20. b. Give a detailed account on flying mammals.
