



Avinashilingam Institute for Home Science and Higher Education for Women
(Deemed to be University under Category 'A' by MHRD, Estd. u/s 3 of UGC Act 1956)
Re-accredited with 'A+' Grade by NAAC. Recognised by UGC Under Section 12B
Coimbatore - 641 043, Tamil Nadu, India

Bachelor's Degree Examination – June / July 2021
II Semester

Class : I UG
Major : Zoology

Time : 3 Hours
Max. Marks : 100

18BZOC04 Chordata I

Part A

10 x 1 = 10

Choose the Correct Answer

1. Ascidian belongs to the sub-phylum.
a. Hemichordata b. Urochordata c. Cephalochordata d. Vertebrata
2. Identify the excretory organ of Amphioxus.
a. Solenocyte b. Green gland c. Malphigian tubule d. Flame cell
3. Symmetry of majority of chordate is
a. Radial b. Biradial c. Bilateral d. A symmetrical
4. In Balanoglossus the notochord is present inregion.
a. Head b. Tail c. Middle d. Ventral
5. Numbers of chambers present in heart of fishes is.
a. 2 b. 3 c. 3 1/2 d. 4
6. Ampulla of Lorenzini of shark is.
a. Photoreceptor b. Phonoreceptor
c. Thermoreceptor d. Chemoreceptor
7. Which among the following undergoes aestivation during summer.
a. Shark b. Protopterus
c. Neoceratodus d. Lepidopsiren
8. Accessory respiratory organ of Clarius is
a. Bucco pharynx b. Arborescent organ
c. Pharyngeal lung d. Air bladder
9. Trigeminal is.....Cranial nerve
a. III b. V c. VII d. X
10. Sub- Clavian artery supply blood to
a. Forelimb b. Hind limb c. Kidney d. Lung

Part B
Answer ALL questions
Each answer should not exceed 400 words or two pages

5 x 6 = 30

- 11.a. Trace the origin of chordates.
(or)
11.b. Examine the probable ancestor of chordates.
- 12.a. Classify pro chordates upto class level.
(or)
12.b. Describe the digestive system of Amphioxus.
- 13.a. Illustrate the respiratory system of shark.
(or)
13.b. Explain the reproductive system of shark.
- 14.a. Examine the migration of fishes with examples.
(or)
14.b. Enlist the affinities of Dipnoi.
- 15.a. Analyze the general characters of Amphibian.
(or)
15.b. Summarize the metamorphic changes of frog.

Part C
Answer ALL questions
Each answer should not exceed 800 words or four pages

5 x 12 = 60

- 16.a. Discuss the general characters and classification of chordates.
(or)
16.b. Discuss the affinities of Amphioxus.
- 17.a. Scrutinize the retrogressive metamorphic changes of Ascidian.
(or)
17.b. Give a detailed account on circulatory system of Balanoglossus.
- 18.a. With example classify fishes with their diagnostic features.
(or)
18.b. Illustrate the reproductive system of Shark with sketch.
- 19.a. Write an essay on the economic importance of fishes.
(or)
19.b. Emphasize the accessory respiratory organs of fishes.
- 20.a. Evaluate the parental care that exist in Amphibia.
(or)
20.b. Demonstrate the nervous system of frog.
