



**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**

**18BZOC05 Chordata II**

**Part A**

**10 x 1 = 10**

**Choose the Correct Answer**

1. Number of temporal fossae present in synapsida is  
a. 1                                      b. 2                                      c. 3                                      d. 4
2. Durtus caroticus connects the internal carotid with \_\_\_\_\_ artery.  
a. systemic                              b. gastric                              c. coeliac                              d. oesophageal
3. A vascular body present in the eye of birds is  
a. cochlea                              b. cornea                              c. retina                              d. pecten
4. Number of air sacs present in the lungs of birds is  
a. 6                                      b. 7                                      c. 8                                      d. 9
5. Synsacrum is formed by the fusion of \_\_\_ bones.  
a. 11                                      b. 12                                      c. 13                                      d. 14
6. Flower probing beaks are seen in  
a. pelican                              b. humming bird                              c. duck                              d. peacock
7. A device that separate thoracic cavity from abdominal cavity in mammal is  
a. tympanum                              b. diaphragm                              c. pericardium                              d. ribs
8. Identify the VIII cranial nerve from the following  
a. optic                              b. olfactory                              c. facial                              d. auditory
9. Diastema is formed due to the absence of  
a. incissor                              b. canine                              c. premolar                              d. molar
10. Baleen plates are seen in \_\_\_\_\_ animals.  
a. Aquatic                              b. Flying                              c. Burrowing                              d. Arboreal

**Part B**

**5 x 6 = 30**

**Answer ALL questions**

**Each answer should not exceed 400 words or two pages**

- 11.a. How will you identify poisonous snakes from non-poisonous?  
(or)
- 11.b. Give a brief account on snake venom and first aid.
- 12.a. Describe the types of flight muscles present in Pigeon.  
(or)
- 12.b. Scrutinize the sense organs of Pigeon.
- 13.a. Write a brief account on birds migration.  
(or)
- 13.b. Discuss the types of beaks and feets of birds.
- 14.a. Illustrate the T.S of spinal cord of Rabbit.  
(or)
- 14.b. What are portal systems? Describe the portal systems of Rabbit.
- 15.a. Trace the origin of mammals.  
(or)
- 15.b. Analyze the economic importance of mammals.

**Part C**

**5 x 12 = 60**

**Answer ALL questions**

**Each answer should not exceed 800 words or four pages**

- 16.a. Elucidate general characters and classification of Reptiles.  
(or)
- 16.b. Illustrate the circulatory system of Calotes.
- 17.a. Describe the brain of Calotes with suitable diagram.  
(or)
- 17.b. Give a detailed account on the Vertebrae of Pigeon.
- 18.a. "Archaeopteryx is connecting link between Reptiles and Birds"-Substantiate.  
(or)
- 18.b. Discuss the adaptations of birds for flight.
- 19.a. Explain the respiratory system of Rabbit.  
(or)
- 19.b. Demonstrate the arterial system of Rabbit.
- 20.a. Write an essay on adaptive radiation in mammals.  
(or)
- 20.b. Illustrate the aquatic mammals with their adaptations.

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