

**October 2025**  
**B.A./B.Sc.**  
**Third Semester**  
**MAJOR-3**  
**ZOOLOGY**  
*Course Code: ZOM 3.11*  
(Diversity of Chordates)

*Total Mark: 50*  
*Time: 2 hours*

*Pass Mark: 20*

*I. Answer three questions, taking one from each unit.*

**UNIT-I**

1. Describe the larva of Cephalochordata and Hemichordata with a neat diagram. 6+6=12
2. (a) Discuss the important features in which Chordates show an advancement over non-chordates. 6  
(b) Briefly explain retrogressive metamorphosis in Urochordata. 6

**UNIT-II**

3. Write a note on each of the following: 6×2=12  
(a) Parental care in fishes.  
(b) Origin of Tetrapoda.
4. Give 8 diagnostic characters of class *Amphibia*. Classify *Amphibia* giving 2 salient features and examples of each order. 4+8=12

**UNIT-III**

5. Discuss flight adaptations and migration in birds. 6+6=12
6. Give an account of the distribution of vertebrates in different zoogeographical realms. Add a note on adaptive radiation in mammals with reference to locomotory appendages. 8+4=12

*II. Answer any two of the following questions.*

7. Explain any two theories of chordate origin. 7
  8. Classify Reptilia up to order and give two salient features of each order with examples. 7
  9. Write any fourteen general characteristics of mammals. 7
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