

Roll No. ....

Exam Code : J-21

Subject Code—52516

**B. Sc. EXAMINATION**

(Main & Re-appear)

(Batch 2018 Onwards)

(First Semester)

ZOOLOGY

ZOO-102-L (Paper-II)

Animal Diversity—II

*Time : 3 Hours*

*Maximum Marks : 80*

**Note :** Attempt *Five* questions in all. Q. No. 1 is compulsory. All questions carry equal marks.

1. Define the following terms :

- (a) Tube Feet
- (b) Tornaria Larva
- (c) Enterocoelic Coelom
- (d) Euryhaline Fish
- (e) Acrodont teeth

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- (f) Paedomorphogenesis
- (g) Fangs
- (h) Bastard wing. 2×8=16

### Unit I

2. Write short notes on the following :
  - (a) Stone Canal 6
  - (b) Class Asteroidea 5
  - (c) Axial Sinus. 5
3. What are Protochordates ? Give general character of phylum protochordata and classify it up to class level with examples. 16

### Unit II

4. Give general characters of super class Pisces and classify it up to class level with characters and examples. 16
5. What is osmoregulation ? Discuss the process of osmoregulation in freshwater and marine fishes. 16

### Unit III

6. What is parental care ? Explain phenomenon of parental care in Anurans. 16
7. (a) Differentiate poisonous and non-poisonous snakes. 8
  - (b) Explain the snake biting mechanism in poisonous snakes. 8

### Unit IV

8. Explain all the anatomical features of birds which are helpful for them to fly. 16
9. Enlist general characters of class Mammalia and classify class it up to order level with characters and examples. 16