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(March)

ZOOLOGY

(Major)

Course : 301

**(Chordate Diversity and Comparative
Anatomy)**

Full Marks : 48

Pass Marks : 14

Time : 2 hours

*The figures in the margin indicate full marks
for the questions*

1. Fill in the blanks : 1×5=5

(a) Balanoglossus belongs to the subphylum _____.

(b) Petromyzon belongs to the Class _____.

(c) Heart is _____ chambered in amphibians.

(d) _____ muscles helps in perching in birds.

(e) _____ is a living example of the order Rhynchocephalia.

2. Write short notes on any *two* of the following : 4×2=8

- (a) Metamorphosis in amphibians
- (b) Parental care in fish
- (c) Biting mechanism of poisonous snakes

3. Write the general characters of Urochordata. Describe the affinities of Urochordata with invertebrates. 5+4=9

Or

Write the distinctive characters of Dipnoi. Classify Osteichthyes up to orders with examples. 9

4. What is neoteny? Describe the process of neoteny in amphibians. 2+6=8

Or

Write a note on four major poisonous snakes of India. 8

5. What is migration? Describe the process of migration in birds. 9

Or

Write the general characters of Mammalia. Classify Mammalia up to orders with examples. 3+6=9

(3)

6. Give a comparative account of the circulatory systems in reptiles and mammals. 9

Or

Give a comparative account of the integumentary systems of reptiles and fishes. 9
