

Total No. of Printed Pages—4

3 SEM TDC ZOO M 1 (N/O)

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(November)

ZOOLOGY

(Major)

Course : 301

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

(New Course)

**(Chordate Diversity and Comparative
Anatomy)**

Full Marks : 48

Pass Marks : 14

Time : 2 hours

1. Fill in the blanks : 1×5=5

- (a) Tornaria larva is the larva of _____.
- (b) The _____ is an example of the order Cetacea of class Mammalia.
- (c) The reptile _____ is known as living fossil.
- (d) Preen gland is found in _____.
- (e) Among fish, reptile and mammal, the thickest integument is found in _____.

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

- (a) Importance of ammocoete larva in evolution

- (b) Structure of gills in a fish
- (c) Locomotion in fish
- (d) Parental care in fish

3. Classify the chordate up to class citing at least two significant characters of each class. 8

Or

Justify the term 'Hemichordata' and write its affinities to invertebrates. 2+6=8

4. What is neoteny? Prepare a note on metamorphosis in Amphibia. 2+7=9

Or

Write about the poisonous snakes of Assam and at least two identifying characters of poisonous snakes. 7+2=9

5. What type of birds are grouped in superorder Ratite? Discuss the flight adaptation in birds. 1+8=9

Or

In which subclass the egg-laying mammals are grouped in? Discuss the aquatic adaptation of mammals. 1+8=9

6. Compare the alimentary canal of reptile and mammal. 9

Or

Write an account of the integumentary derivatives of mammal. 9