

(i) Printed Pages : 2

Roll No.

(ii) Questions : 9

Sub. Code :

0	2	5	5
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Exam. Code :

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B.A./B.Sc. (General) 3rd Semester

(1129)

ZOOLOGY

Paper : I (Biodiversity (Chordates) & Evolution-I (ZOO-301))

Time Allowed : Three Hours]

[Maximum Marks : 36

Note :— Attempt total **FIVE** questions, selecting **ONE** question from each Unit. Question No. **1** compulsory. Draw neat and clean diagrams.

1. Describe the following :

- (a) Coacervates
- (b) Retrogressive Metamorphosis
- (c) Filter feeder
- (d) Classify Hyla
- (e) Divergent evolution
- (f) Iter
- (g) Endostyle
- (h) Cutaneous Respiration

8×1=8

UNIT—I

2. Explain the circulatory system of *AMPHIOXUS*.

7

3. (a) Describe Reproductive system of *HERDMANIA*. 3
- (b) Define Neural complex of *HERDMANIA*. 4

UNIT-II

4. (a) Describe Eye of *LABEO*. 4
- (b) Explain different types of Scales in fishes. 3
5. (a) Explain external characters of *PETROMYZON*. 3
- (b) Write Ecological note on *Solea* and *Anabas*. 4

UNIT—III

6. Describe Excretory System of Frog. 7
7. (a) Explain Organ of Hearing and Equilibrium of frog. 5
- (b) Ecological note of *Amphiuma*. 2

UNIT—IV

8. Explain Mutation theory of evolution. 7
9. Write notes on the following :
 - (a) Hardy-Weinberg Principle
 - (b) Evolution in Peppered Moth
 - (c) Ontogeny Repeats Phylogeny
 - (d) Atavism

2+2+2+1=7