

(i) Printed Pages : 2

Roll No.

(ii) Questions : 9

Sub. Code :

0	2	5	5
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Exam. Code :

0	0	0	3
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B.A./B.Sc. (General) 3rd Semester
(2122)

ZOOLOGY

[Biodiversity (Chordates) & Evolution-I (ZOO-301)]

Paper-I

Time Allowed : Three Hours]

[Maximum Marks : 36

Note :—Attempt five questions in all, including Question No. I which is compulsory and selecting **one** question from each Unit. Draw neat and clean diagrams.

I. Answer the following :

- (a) Define ciliary feeder
- (b) Foramen of Monro
- (c) Missing link
- (d) Retia mirabilia
- (e) Retrogressive metamorphosis
- (f) Protopterus
- (g) Solenocytes
- (h) Eobionts.

1×8=8

UNIT-I

II. Explain digestive system of *Herdmania*. 7

III. (a) Explain parental care in chordates.

(b) Write ecological note and classification of *Salpa*.

4+3=7

UNIT-II

IV. Explain the Arterial system of *Labeo*. 7

V. Write notes on :

(a) Scales of fishes

(b) *Ammocoetes* larva. 5+2=7

UNIT-III

VI. Explain the structure of Heart of *Frog*. 7

VII. Describe the structure and function of Eye of *Frog*. 7

UNIT-IV

VIII. Explain morphological evidences of organic evolution with the help of suitable examples. 7

IX. Describe the theory of Lamarckism. 7