

(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.Sc. (General) 3rd Semester

1128

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** is compulsory. Draw neat and clean diagrams.

1. Describe the following :

- (a) Homologous Organs
- (b) Holobranchs
- (c) Classify *Salpa*
- (d) Muller's Organ
- (e) Orientation in *HERDMANIA*
- (f) Air bladder
- (g) Foramen of Monro
- (h) Missing link.

8×1=8

UNIT-I

2. Explain Blood Vascular system of *HERDMANIA*.

7

3. (a) Write a note on Eye of *Amphioxus*. 3
- (b) Note on Parental care in Chordates. 4

UNIT-II

4. Describe the Respiratory system of LABEO. 7
5. (a) Explain Brain of LABEO. 5
- (b) Write ecological note on *EXOCOETUS* with classification. 2

UNIT-III

6. Describe the structure of Frog Heart. 7
7. (a) Explain Excretory System of Frog. 4
- (b) Classification and Ecological note on *Hyla* and Axolotl larva. 3

UNIT-IV

8. Explain Lamarck's theory of Evolution with suitable examples. Also write about its criticism. 7
9. Write notes on :
 - (a) Darwin's finches
 - (b) Connecting links.
 - (c) Redi's Experiment against Theory of Spontaneous Generation.2+2+3=7