

(i) Printed Pages: 2

Roll No. ....

(ii) Questions : 9 Sub. Code : 

1	7	2	5	5
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Exam. Code : 

0	0	0	3
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**B.A./B.Sc. (General) 3<sup>rd</sup> Semester  
(2124)**

**ZOOLOGY**

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

**Time Allowed : Three Hours] [Maximum Marks : 36**

**Note :—** Attempt **FIVE** questions in all, including Q. No. 1 which is compulsory and selecting **ONE** question from each unit. Draw neat and clean diagrams.

1. Answer the following :

- (a) Define Storage Excretion.
- (b) Double Circulation.
- (c) Missing Link.
- (d) Characteristic features of Lung Fish.
- (e) Foramen of Monro.
- (f) Hibernation.
- (g) Catadromous.
- (h) Dorsal Tubercle.

1×8=8

### UNIT—I

2. (a) Explain Parental care in chordates with the help of suitable examples.  
(b) Reproductive system of *Herdmania*. 3+4=7
3. Explain Excretory system of *Amphioxus*. 7

### UNIT—II

4. Discuss the Circulatory system of *Labeo*. 7
5. Write notes on :  
(a) *Pristis*  
(b) *Chimaera*. 4+3=7

### UNIT—III

6. (a) Discuss the mechanism of cutaneous respiration and its importance in Frog.  
(b) Write a note on the Taste Organ of Frog. 4+3=7
7. Explain the Heart of *Hoplobatrachus tigerinus*. 7

### UNIT—IV

8. Write notes on the following :  
(a) Homologous organ  
(b) Connecting  
(c) Vestigial organs. 2+2+3=7
9. Explain Darwin theory of organic evolution. 7