

(i) Printed Pages : 2

Roll No. ....

(ii) Questions : 9

Sub. Code :

1	7	3	5	5
---	---	---	---	---

Exam. Code :

0	0	0	4
---	---	---	---

B.A./B.Sc. (General) 4<sup>th</sup> Semester  
(2055)

**ZOOLOGY**

**Paper : I Biodiversity (Chordates) and Evolution-II (ZOO-401)**

**Time Allowed : Three Hours]**

**[Maximum Marks : 36**

**Note :—** (i) Attempt *five* questions in all, selecting at least *one* question from each unit.

(ii) Question No. I is compulsory.

(iii) Draw well labeled diagrams wherever required.

I. Define the following :

(a) Truncus arteriosus

(b) Coprodaeum

(c) Keel

(d) Crop milk

(e) Meninges

(f) Diphyodont teeth

(g) Reproductive isolation

(h) Carbon-14 dating.

1×8=8

**UNIT—I**

II. Describe the urinogenital system of *Uromastix*.

7

III. (a) Classify up to order and write a brief ecological note on the following :

(i) *Varanus*

(ii) *Hydrus*.

2.5×2=5

(b) Give four identification points of poisonous snakes with examples. 2

### UNIT—II

IV. Explain the structure of heart of *Columba*. 7

V. Draw well labelled diagrams of the following in *Columba* :

(a) Respiratory system

(b) Vertical section of Eye.

4,3

### UNIT—III

VI. Describe the digestive glands of Rat. 7

VII. (a) Classify up to order and write a brief ecological note on the following :

(i) *Macaca*

(ii) *Pteropus*.

2.5×2=5

(b) Write a short note on hepatic portal system of Rat. 2

### UNIT—IV

VIII. Discuss various kinds of fossils of aquatic animals. 7

IX. Write short notes on the following :—

(a) *Homo erectus*

(b) Microevolution.

4,3