

B.A./B.Sc. 3rd Semester

ZOOLOGY (Biodiversity—III)

Paper—Zoo-III-B

Time Allowed—Three Hours] [Maximum Marks—35

Note :—(1) All questions carry equal marks.

(2) Section A is compulsory.

(3) Of Section B, the candidate is to attempt **FOUR** questions, selecting **ONE** question from each unit.

SECTION—A

1. Write short answers on the following :

(a) What is endostyle ?

(b) Excretion in *Branchiostoma*.

(c) Scale type in *Labeo*.

(d) What is sinus venosus ?

(e) Jacobson's organ.

(f) Uropygial gland.

(g) Type of teeth and dental formula in rat.

1×7=7

SECTION—B

UNIT—I

2. Explain the blood vascular system in *Herdmania*.

7

3. Give an account of respiration in *Branchiostoma*.

7

UNIT—II

4. Explain the reproductive system in *Labeo*.

7

5. Explain the following :

(A) Membranous labyrinth

(B) External features of *Petromyzon*.

7

UNIT—III

6. Explain respiratory system in frog.

7

7. Explain the structure and function of heart in *Uromastix*.

7

UNIT—IV

8. Give an account of urino-genital system in pigeon.

7

9. Explain digestive system in rat.

7