Second Semester B.Sc., Degree Examinations

May / June 2026

(SEP Scheme)

ZOOLOGY

SSB0270 : Paper II : Diversity of Chordates and Comparative Anatomy

Time: 3 hrs.] *[Max.Marks:80*

Instruction to the Candidates :

1. *The student should legibly write Section number along with question numbers within the margin only.*
2. *The answers without Section number and question numbers will not be valued.*
3. *Do not write anything (except register number) on the question paper.*
4. *All Sections are Compulsory.*
5. *Draw neat and labelled diagram wherever necessary.*

SECTION – A

I. Answer all the following questions. **(10X2=20)**

1.

a) List the diagnostic characters of Chordata.

b) Write a note on coelom in Balanoglossus.

c) Write the structure of Herdmania.

d) Enumerate any four salient features of Lung fishes.

e) Write a short note Neotony.

f) List any four important characters of Chelonia.

g) Write the dental formula of Dog and cattle.

h) Enumerate four important characters of Primates.

i) Draw a neat labelled diagram of the heart of Shark.

j) Write a note on homodont dentition.

SECTION – B

II. Answer any SIX of the following. **(6X5=30)**

2. Bring out the affinities of Tornaria larva.

3. Explain the morphology of Scoliodon with a neat labelled diagram.

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4. Explain the urinogenital system of male frog.
5. Elucidate the structure of a poison apparatus.
6. Explain the structure of a Mammalian tooth with a neat labelled diagram.
7. Compare the heart of Frog and Lizard.
8. Enumerate the Volant adaptations in Birds.
9. Write the salient features of Cyclostomes.

SECTION – C

III. Answer any THREE of the following. **(3X10=30)**

10. Write a note on :

    a) Distinctive characters of Branchiostoma.

    b) General characters of Amphibia.

11. Elucidate the general characters of class Reptilia and classify up to orders with examples.
12. Describe the Urinogenital system of male and female Rabbit.
13. Describe the detailed comparative account on Pronephros, Mesonephros and Metanephrous kidney.

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