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SECOND YEAR (S.Y.B.Sc)
ZOO24103: Indian Natural History-Animal Kingdom
(Semester IV)

Program: B.Sc.
Program Specific: Zoology
Course Type: Mandatory major
Paper: III

Credits: 2
Time: 2 Hours
Max. Marks: 30
SET: A

Instructions to the candidate:

- 1) All questions are compulsory.
- 2) Figures to the right indicate full marks.
- 3) Draw a well labelled diagram wherever necessary.

Q1) Answer the following

[5 X 1= 5]

- a) What is Evolution?
- b) Define Fossils.
- c) What is behavioral ecology?
- d) Define homologous traits.
- e) What is Precambrian period?

Q2) Answer the following (Attempt any 5/7)

[5 X 2 =10]

- a) What are the key features of bilateral phyla in arthropods?
- b) Explain Ordovician period.
- c) Describe adaptation of tetrapods?
- d) Explain the Devonian period.
- e) Enlist any two theories of evolution.
- f) Explain Mesozoic era.
- g) Enlist any two Indian natural history museums.

Q3) Answer the following/Write short notes on following (Attempt any 2/4)

[2 X 5 = 10]

- a) Write a note on zoogeographical realms and their fauna.
- b) Explain evolution of human with its stages.
- c) Write a note on Lamarckism?
- d) Write a note on importance of Indian natural history museum.

Q4) Answer the following (Attempt any 1/2)

[5 X 1 = 5]

- a) Explain in detail geological time scale with its division.
- b) Write a note on tools and methods used in evolutionary biology.
