

[Time: 03 Hours.]

[Marks: 100]

Please check whether you have got the right question paper.

- N.B: 1. All questions are compulsory and carry equal marks.
2. Figures to the right indicate full marks.
3. Draw neat and labelled diagrams wherever necessary.
4. Answer the questions in proper order.

Q. 1 Describe any two of the following: (20)

- a) Characteristic features and classification of subphylum Urochordata with examples.
- b) General characters and classification of subphylum Vertebrata with examples.
- c) Classification and characteristics of *Cephalaspis* with neat labelled diagram.

Q. 2 Explain any two of the following: (20)

- a) General characters and classification of superclass Pisces with examples.
- b) Affinities of Dipnoi with super class Pisces, affinities and differences of Dipnoi with class Amphibia.
- c) Classification and characteristics of *Amphiuma* with neat labelled diagram.

Q. 3 Give an account on any two of the following: (20)

- a) General characters of class Aves with the description of a suitable example.
- b) Characteristic features of class Reptilia with *Chelonia* as example.
- c) Insect eating mammal and gnawing mammal.

Q. 4 Describe any two of the following: (20)

- a) Habit, habitat, distribution and classification of *Scoliodon*.
- b) Nervous system of *Scoliodon*.
- c) Copulation, fertilization and development in *Scoliodon*.

Q. 5 Write short notes on: (Any four) (20)

- a) *Rhinobatus* with labelled diagram
- b) *Salpa* with labelled diagram
- c) Differences between Agnatha and Gnathostomata with examples
- d) *Chamaeleo*
- e) *Funambulus*
- f) Placoid scale of *Scoliodon* with labelled diagram
