

[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) Types of symmetry and their significance.
- b) Taxonomy and binomial nomenclature.
- c) Types of Coelom.

Q.2 Explain Any Two of the following: (20)

- a) General characters of Phylum Cnidaria and distinguishing features of Class Hydrozoa.
- b) General characters of Phylum Nematoda and description of *Ascaris*.
- c) Life history and Pathogenicity of *Fasciola hepatica*.

Q.3 Describe Any Two of the following: (20)

- a) An example from each class of phylum Echinodermata.
- b) General characters of Phylum Acanthocephala.
- c) Distinguishing features of class Pelecypoda and Scaphopoda with suitable example.

Q.4 Describe Any Two of the following: (20)

- a) Nervous system of *Sepia*.
- b) External characters of *Sepia*.
- c) Reproductive system of *Sepia*.

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

- a) Cephalization and Cephalothorax
- b) Metamerism
- c) *Euspongia*
- d) Nereis.
- e) Centipede.
- f) Locomotion and Economic importance of *Sepia*.
