

[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)
- Symmetry
 - Taxonomy and binomial nomenclature.
 - Types of Coelom
- Q. 2 Explain Any Two of the following:** (20)
- General characters of Phylum Porifera and description of *Euspongia*.
 - General characters of Phylum Cnidaria and distinguishing feature of class Scyphozoa.
 - Distinguishing features of class Aphasmda and Phasmida with suitable example.
- Q. 3 Give an account on Any Two of the following:** (20)
- Distinguishing features of class Malacostraca with reference to Horse shoe Crab
 - General characters and classification of phylum Arthropoda
 - Distinguishing features of class Holothuroidea with reference to Sea cucumber
- Q. 4 Describe Any Two of the following:** (20)
- External characters of *Sepia*.
 - Male reproductive system of *Sepia*.
 - Circulatory system of *Sepia*.
- Q. 5 Write short notes on: (Any Four)** (20)
- Types of true metamerism
 - Redia larva
 - Peripatus*
 - Locomotion in *Sepia*.
 - Meandrina*
 - Shell of *Sepia*.
