

[Time: 03 Hours.]

[Marks: 100]

- 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) Levels of organization
- b) Types of symmetry
- c) Six kingdom classification

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

- a) Distinguishing features of class Calcarea and Demospongiae with suitable example.
- b) General characters of phylum Cnidaria and distinguishing features of class Anthozoa.
- c) General characters of phylum Platyhelminthes and description of *Taenia solium*.

Q. 3 Give an account on Any Two of the following: (20)

- a) Distinguishing features of class Hirudinea with reference to Leech
- b) General characters and classification of phylum Annelida
- c) Distinguishing features of class Ophiuroidea with reference to Brittle Star

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

- a) Respiratory system of *Sepia*
- b) Female Reproductive system of *Sepia*
- c) External characters and importance of Mantle cavity in *Sepia*

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

- a) Plasmodium
 - b) Trichinia worm
 - c) Millipede
 - d) Habit and habitat of *Sepia*
 - e) Cercaria larva
 - f) Locomotion in *Sepia*
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