

M.Sc. (Zoology) (NEP Pattern) Semester-I
NEP-81 / 01MSCZO01 - Paper-I - Structure and function of Invertebrates

P. Pages : 1

Time : Three Hours



GUG/W/24/15143

Max. Marks : 80

- Notes :
1. All questions are compulsory.
 2. All questions carry equal marks.
 3. Draw well labelled diagrams wherever necessary.

- 1.** Write an account on Dermal cells and skeletal organization in calcareous sponges, Hexactinellida and Demospongiae. **16**

OR

Write notes on:

- a) Modern Scheme of animal classification. **8**
- b) Types of medusa. **8**

- 2.** Give an account on Formation, Evolution and Significance of Coelome. **16**

OR

Write notes on:

- a) Colonial theory of Origin of Metazoa. **8**
- b) Reproductive system in Fasciola. **8**

- 3.** Write an account of structure and affinities of Peripatus. **16**

OR

Write notes on:

- a) Structure and affinities of Neopilina. **8**
- b) Neuroanatomy in Gastropoda. **8**

- 4.** Write an account of Water Vascular System in Echinodermata. **16**

OR

Write notes on:

- a) Structure and affinities of Rotifera. **8**
- b) Structure and affinities of Ectoprocta. **8**

- 5.** Attempt the following- **16**

- a) Pseudopodia.
- b) Nephridia in polychaeta.
- c) Tracheal Respiration.
- d) Bipinnaria Larva.
