

M.Sc.(Zoology) CBCS Pattern Semester-I
PSCZOOT01 - Paper-I : Animal Structure and Function of Invertebrates

P. Pages : 1

Time : Three Hours



GUG/W/23/11175

Max. Marks : 80

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

1. Describe in detail polymorphism and metagenesis in coelenterates. **16**

OR

Write notes on:

- Protozoan locomotory organs
- Dermal cells in calcareous sponges

2. Describe in detail formation, evolution and significance of coelom. **16**

OR

Write notes on:

- Reproductive system in Fasciola
- Origin of Metazoa

3. Write an essay on Peripatus structure affinities and taxonomic position. **16**

OR

Write notes on:

- Tracheal respiration in Insecta
- Neopilina structure

4. Describe in detail Larval forms in Echinodermata. **16**

OR

Write notes on:

- Ctenophora & Rotifera
- Water vascular system

5. Attempt the following **16**

- Species concept
- Nephridia in polychaeta
- Neuroanatomy in Gastropoda
- Entoprocta
