

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

-
- 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:

- a) Protozoan locomotory organs
- b) Dermal cells in calcareous sponges

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

OR

Write notes on:

- a) Reproductive system in Fasciola
- b) Origin of Metazoa

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

OR

Write notes on:

- a) Tracheal respiration in Insecta
- b) Neopilina structure

4. Describe in detail Larval forms in Echinodermata. 16

OR

Write notes on:

- a) Ctenophora & Rotifera
- b) Water vascular system

5. Attempt the following 16

- a) Species concept
- b) Nephridia in polychaeta
- c) Neuroanatomy in Gastropoda
- d) Entoprocta
