

M.Sc. (Zoology) (CBCS Pattern) Sem-I
PSCZOOT01 - P- I : Structure and Function of Invertebrates

P. Pages : 1

Time : Three Hours



GUG/W/22/11175

Max. Marks : 80

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- Notes : 1. All questions are compulsory.
2. All questions carry equal marks.
3. Draw a well labelled diagram whenever necessary.

1. Give an account of ultrastructure of Protozoan locomotory organs. **16**

OR

Write notes on:

- Systematic gradation of animals
- Polymorphism and metagenesis in coelenterate

2. Write in detail about origin of Metazoan. **16**

OR

Write notes on:

- Evolution and Significance of coelome
- Structure and mechanism of reproduction in Dugesia

3. Write an essay on Neopilina. Add a note on affinities and taxonomic position. **16**

OR

Write notes on:

- Mechanism of gill respiration of Crustacea.
- Neuroanatomy in Bivalvia

4. Describe in detail Water vascular system in Echinodermata. **16**

OR

Write notes on:

- Larval Forms in Echinodermata
- General account and affinities of Ctenophora

5. Attempt the following: **16**

- Calcareous Sponges
- Evolution of Nephridia
- Affinities of Peripatus
- General account of Entoprocta
