

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

P. Pages : 1

Time : Three Hours



GUG/S/23/11175

Max. Marks : 80

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

1. Describe the mechanism of various modes of locomotion in Protozoa. 16

OR

- a) Cellular Organization in Sponges
- b) Types of Polyps

2. Describe the various Theories of Origin of Metazoa. 16

OR

- a) Reproduction in Taenia
- b) Coelome.

3. Give an account of Structure and affinities of Neopilina. 16

OR

- a) Tracheal Respiration in Insecta
- b) Structure of Peripatus and Taxonomic Position.

4. Give an account of Larval forms in Echinodermata. Add notes on their significance. 16

OR

- a) Affinities of Ctenophora with Coelenterata.
- b) Entoprocta.

5. Attempt the following. 16

- a) Modern Scheme of Classification.
- b) Evolution of Nephridia.
- c) Neuroanatomy in Bivalvia.
- d) Rotifera.
