

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

P. Pages : 1

Time : Three Hours



GUG/W/22/11175

Max. Marks : 80

- Notes :
1. All questions are compulsory.
 2. All questions carry equal marks.
 3. Illustrate your answer with suitable figures.

1. Describe the mechanism of various modes of locomotion in protozoa. **16**

OR

Write notes on:

- a) Species concept.
- b) Skeletal organization in Sponges.

2. Describe in details on reproductive system of Fasciola hepatica. **16**

OR

Write notes on:

- a) Mechanism of excretion in Hirudinea (leech)
- b) Origin of Metazoa.

3. Give detail account on structure & affinities of Peripatus. **16**

OR

Write notes on :

- a) Neuroanatomy in Gastropoda
- b) Respiratory organs in Arthropoda.

4. Give an account of water vascular system in Echinodermata. **16**

OR

Write notes on:

- a) Larval forms in Echinodermata
- b) Affinities of rotifera

5. Attempt the following. **16**

- a) Medusae.
- b) Evolution of Coelom.
- c) Neopilina
- d) Ectoprocta.
