

**USZOT03 - Zoology Paper-I : Core Paper-III : (Animal Diversity of Nonchordate
(Arthropoda to Hemichordata)**

P. Pages : 2

Time : Three Hours



GUG/S/19/11594

Max. Marks : 50

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

1. Describe the digestive system of Periplaneta. 10

OR

Write notes on.

a) Central Nervous system of Periplaneta. 5

b) Circulatory system of Periplaneta. 5

2. Describe the Nervous system of Pila. 10

OR

Write notes on.

a) Male reproductive system of Pila. 5

b) General characters of Mollusca. 5

3. Explain the larval forms of Echinoderms. 10

OR

Write notes on.

a) External morphology of Asterias. 5

b) Digestive system of Asterias. 5

4. Explain the External morphology of Balanoglossus. 10

OR

Write notes on.

a) Affinities of balanoglossus with Chordata. 5

b) Nervous system of Balanoglossus. 5

5. Write 4 to 5 lines on the following **any ten**.

10

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|-------------------|------------------------|
| i) Ocelli | ii) Tergum. |
| iii) Ootheca. | iv) Gill lamella. |
| v) Operculum. | vi) Mother of Pearl. |
| vii) Stone Canal. | viii) Aboral aperture. |
| ix) Autotomy. | x) Protozoel. |
| xi) Tornaria. | xii) Tongue worm. |
