

USCZOT03 - Zoology Paper-I - Animal Diversity of Non-chordate - Arthropoda to Hemichordata

P. Pages : 1

Time : Three Hours



GUG/S/25/11594

Max. Marks : 50

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

1. Write an essay on alimentary canal of Cockroach. **10**

OR

Write notes on.

- a) Circulatory system of Cockroach.
- b) Sense organs in Cockroach.

2. Describe the nervous system of Pila. **10**

OR

Write notes on.

- a) General characters of Mollusca.
- b) Pearl culture.

3. Write an essay on water vascular system in Asterias. **10**

OR

Write notes on.

- a) External morphology of Asterias.
- b) Regeneration in Echinodermata.

4. Write a detailed account on Digestive system of Balanoglossus. **10**

OR

Write notes on.

- a) Tornaria Larva
- b) Affinities of Balanoglossus with Chordata.

5. Write four or five lines on the following **any ten**. **10**

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|-------------------|---------------------|
| i) Labrum | ii) Phallic gland |
| iii) Ootheca | iv) Radula |
| v) Osphradium | vi) Mantle |
| vii) Actinostome | viii) Pedicellariae |
| ix) Pyloric caeca | x) Ciliary feeder |
| xi) Coelom | xii) Coelom |
