

B.Sc. - I CBCS Pattern Semester-II
USZOT03 / USCZOT03-Core Paper-III - Zoology Paper-I
Animal Diversity of Non Chordate : Arthropoda to Hemichordate

P. Pages : 1

Time : Three Hours



GUG/W/23/11594

Max. Marks : 50

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

1. Describe in detail Digestive system of Cockroach. 10

OR

- a) Sense organs in Cockroach. 5
- b) Male reproductive system of cockroach. 5

2. Digestive system of Pila. 10

OR

- a) Pearl culture. 5
- b) Fertilization in Pila. 5

3. Describe in details external features of Asterias. 10

OR

- a) Regeneration and Autonomy in Echinodermata. 5
- b) Bipinnaria larva. 5

4. Describe in detailed digestive system of Balanoglossus. 10

OR

- a) Nervous system of Balanoglossus. 5
- b) Tornaria larva. 5

5. Write four and five lines on each of the following **any ten**. 10

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|-------------------|--------------------|
| i) Trochanter | ii) Labrum |
| iii) Cibarium | iv) Mantle |
| v) Osphradium. | vi) Radula. |
| vii) Tube feet. | viii) Stone canal. |
| ix) Pyloric caeca | x) Probosis |
| xi) Prostome | xii) Collar canal |
