

B.Sc. (CBCS Pattern) Sem-II
USZOT03 - Zoology Paper-I - Core Paper-III
Animal Diversity of Non Chordate : Arthropoda to Hemichordate

P. Pages : 2

Time : Three Hours



GUG/W/22/11594

Max. Marks : 50

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

1. Describe in detail the digestive system of periplaneta. 10

OR

Write notes on :

- a) Central nervous system of Cockroach 5
- b) Circulatory system of Cockroach. 5

2. Describe in detail the nervous system of pila. 10

OR

Write notes on :

- a) Male reproductive system of pila. 5
- b) General characters of Mollusca. 5

3. Describe in detail Water vascular system in Asterias. 10

OR

Write notes on :

- a) Regeneration in Echinoderms. 5
- b) External morphology of Asterias. 5

4. Explain the External morphology of Balanoglossus. 10

OR

Write notes on :

- a) Affinities of balanoglossus with chordata. 5
- b) Affinities of balanoglossus with Echinodermata 5

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

10

- i) Labrum
- ii) Tergum
- iii) Ootheca.
- iv) Gill lamella
- v) Operculum
- vi) Pearl
- vii) Bipinnaria larva
- viii) Tube feet
- ix) Pedicellariae
- x) Tornaria larva
- xi) Proboscis coelom
- xii) Tongue worm.
