

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

P. Pages : 2

Time : Three Hours



GUG/S/23/11594

Max. Marks : 50

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

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

OR

a) Female reproductive system of *Periplanata*. 5

b) Circulatory system of Cockroach. 5

2. Write Detail account on External Morphology of *Pila*. 10

OR

a) Female reproductive system in *Pila*. 5

b) Digestive system in *Pila*. 5

3. Write a detailed account on Morphological structure of *Asterias*. 10

OR

a) Larval forms of Echinodermata. 5

b) Short notes on Locomotary system of *Asterias*. 5

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

OR

a) T.S. Collar of *Balanoglossus*. 5

b) Nervous system of *Balanoglossus*. 5

5. Write 4-5 lines on **any ten**. 10

i) Cocoon.

ii) Haemolymph.

iii) Mushroom Glands.

- iv) Odontophore.
- v) Ctenidium.
- vi) Bivalve.
- vii) Bipinnaria.
- viii) Madreporite.
- ix) Ring Canal.
- x) Trochophore larvae.
- xi) Ciliary feeder
- xii) Ciliary Band
