

Bachelor of Science (B.Sc.)-I (CBCS Pattern) Second Semester CBCS
USZOT03 - Core Paper - III : Zoology Paper-I
(Animal Diversity of Nonchordate - Arthropoda To Hemichordata)

P. Pages : 1

Time : Three Hours



GUG/W/18/11594

Max. Marks : 50

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

1. Write a note on Digestive system of Cockroach. 10

OR

Write notes on

 - a) Sense organs of Cockroach. 5
 - b) Central Nervous system of Cockroach. 5
2. Write a note on Nervous system of Pila. 10

OR

Write notes on

 - a) Copulation and fertilization in pila. 5
 - b) Pearl formation in Mollusca. 5
3. Write a note on Water Vascular system of Asterias. 10

OR

Write notes on

 - a) Endoskeleton of Asterias. 5
 - b) Bipinnaria larva of Asterias. 5
4. Write a note on Affinities of Balanoglossus with other phylum. 10

OR

Write notes on

 - a) External Morphology of Balanoglossus. 5
 - b) Tornaria larva. 5
5. Write four or five lines on each of the followings **any ten**. 10

i) Haemocoel.	ii) Mushroom Gland.
iii) Sensilla.	iv) Pallial Complex.
v) Radula of Pila.	vi) Operculum.
vii) Actinostome.	viii) Ambulacral spines.
ix) Pyloric stomach.	x) Coelom Collar.
xi) Tubiculous live.	xii) Buccal Tube.
