

Total No. of Printed Pages—3

**2 SEM TDC ZOOH (CBCS) C 3**

**2022**

( June/July )

**ZOOLOGY**

( Core )

Paper : C-3

**( Non-Chordates-II )**

Full Marks : 53

Pass Marks : 21

Time : 3 hours

*The figures in the margin indicate full marks  
for the questions*

1. Fill in the blanks : 1×6=6
- (a) The animals containing true coelom are called \_\_\_\_\_.
- (b) Metamerism is a characteristic of \_\_\_\_\_.
- (c) The phylum Arthropoda is characterised by \_\_\_\_\_.

( 2 )

- (d) The larva of echinoderms shows \_\_\_\_\_ symmetry.
- (e) Excretory organ of Annelida is termed as \_\_\_\_\_.
- (f) 'Devilfish' is the name of \_\_\_\_\_.

2. Distinguish between (any four) :  $3 \times 4 = 12$

- (a) Branchial respiration and Pulmonary respiration
- (b) Septal nephridia and Pharyngeal nephridia
- (c) Simple eye and Compound eye
- (d) Holometabolous and Hemimetabolous
- (e) Dipleurula larva and Bipinnaria larva

3. Write short notes on (any three) :  $4 \times 3 = 12$

- (a) Septal nephridia of earthworm
- (b) Significance of trochophore larva
- (c) Metamerism
- (d) General characters of Annelida
- (e) Tracheal respiration

( 3 )

4. Describe briefly about the metamorphosis of insects. 6

5. Write a note on pearl formation in bivalves. 6

Or

Describe the mechanism of torsion in Gastropoda.

6. Explain different larval forms in Echinodermata. 6

Or

Describe the water vascular system in starfish with diagram.

7. Describe the process of pulmonary respiration in Mollusca. 5

Or

Describe briefly on the social life in honey-bees.

\*\*\*