

Total No. of Printed Pages—3

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

**2 0 2 2**

( 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) : 3×4=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) : 4×3=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.

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