

Total No. of Printed Pages—3

2 SEM TDC ZOOH (CBCS) C 3

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(May)

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 :

1×7=7

- (a) Lepisma is commonly known as _____.
- (b) Aedes female transmits _____ disease.
- (c) Respiratory organs of Crustaceans are _____.
- (d) Excretory organs of Mollusca are _____.
- (e) Locomotory organs in Nereis are _____.

(f) Larval forms of Echinodermata are _____.

(g) Brittle star belongs to the class _____.

2. Write short notes on any *three* of the following : $4 \times 3 = 12$

(a) Affinities of Echinodermata with Chordates

(b) General characters of Mollusca

(c) Torsion in Gastropoda

(d) Coelom in Annelida

3. Distinguish between any *four* of the following : $3 \times 4 = 12$

(a) Exonephric and Enteronephric nephridia

(b) Moths and Butterflies

(c) Pheretima and Nereis

(d) Heterometabolic and Hemimetabolic metamorphosis

(e) Septal nephridia and Pharyngeal nephridia in Annelida

4. Write about aquatic respiration and aerial respiration in Mollusca. $2 + 2 = 4$

5. What type of social system is found in bees? Explain.

6

Or

Classify the phylum Annelida up to class with characters and examples.

6. Write a note on larval forms in Echinodermata.

6

Or

Write about the type of respiration occurs in arthropods.

7. What is metamorphosis? Write the different types of metamorphosis in insects. 1+5=6

Or

What is the evolutionary significance in trochophore larva? Write about the process of pearl formation in bivalves. 2+4=6
