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(FYUGP)

(2nd Semester)

ZOOLOGY

(MAJOR)

Paper : ZOO/C3

(Non-Chordates II : Coelomates)

Full Marks : 75

Pass Marks : 40%

Time : 3 hours

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

1. Define metamerism. Describe the evolution and significance of metamerism. 2+13=15

Or

Explain, in detail, the evolutionary significance of Onychophora. 15

2. Classify phylum Annelida up to classes with proper examples from each class. 15

(2)

Or

Give a detailed explanation on excretion in Annelida. Write the economic importance of Annelida.

10+5=15

3. Write the general characteristics of the phylum Arthropoda. 15

Or

Write notes on the following : $7\frac{1}{2}+7\frac{1}{2}=15$

(a) Respiration in Arthropoda

(b) Metamorphosis in insects

4. Classify phylum Mollusca up to classes with proper examples from each class. 15

Or

Describe, in detail, pearl formation in bivalves.

5. Write the general characteristics of the phylum Echinodermata. 15

Or

Give a detailed explanation on the water-vascular system in Asteroidea with proper illustration.

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