

**DEPARTMENT OF ZOOLOGY**

**2<sup>nd</sup> SEMESTER**

**CLASS TEST**

**Paper- C3**

**FULL MARKS- 40**

**1. Answer the following questions- (any five)**

**5×2=10**

I. State the importance of trochophore larva.

Or

What is the significance of metamerism in annelids?

II. Distinguish between haemal system & vascular system.

III. What do you mean by metamorphosis, give example.

Or

Function of the water vascular system.

IV. The important annelidian features of onychophora

V. What is termitarium.

VI. What is stone canal? What is its function.

Or

What is madreporite? What is its function.

VII. General characteristics of phylum hemichordate.

Or

Which hormone controls metamorphosis?

**2. Answer the following questions- (any four)**

**5×4=20**

I. Classify phylum mollusca upto class with characters and examples.

- II. What are the major post-torsional changes.
- III. Briefly describe the different larval forms in echinodermata.
- IV. Describe the water vascular system of asteroidea.
- V. Describe the anatomical peculiarities of Peripetetus.

Or

Describe the affinity of Peripetetus.

- VI. Describe how metamerism is reflected in the body plan of a typical annelid.
- VII. What is pulmonary sac. Mechanism of aerial respiration in a pila. 1+4

Or

Describe the ctenidium & secondary gill in pila.

### 3. Answer the following questions- (any one )

**10×1=10**

- I. What are book gill & book lung? Describe the structures involved in the terrestrial mode of respiration of cockroach. Schematically represent the mode of function of major respiratory organs. 2+5+3
- II. Classify five classes of arthropoda with characters & example. How is metamorphosis controlled. Differentiate aterygota from pterygota. 5+3+2

