



## **FD-319**

M.Sc. 1st Semester  
Examination, Dec.-Jan., 2021-22

### **ZOOLOGY**

Paper - II

Structure and Function of Invertebrates

*Time* : Three Hours]      [*Maximum Marks* : 80

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**Note** : Answer **all** questions in which Question Number 1 is compulsory. All questions carry equal marks.

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1. Write short notes on any **two** of the following :
    - (a) Difference between flagella and cilia
    - (b) Define osmoregulation and write its importance
    - (c) Respiratory pigment
    - (d) Mysis larva
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*(Turn Over)*

( 2 )

**Unit-I**

2. Give an account on protostomia and deuterostomia.

**OR**

Describe ciliary movement in protozoa.

**Unit-II**

3. Give an account of filter feeding in polychaeta.

**OR**

Explain respiratory organs in mollusca.

**Unit-III**

4. What is advance nervous system ? Explain with example of palaemon.

**OR**

Describe the excretory system of earthworm (*Pheretima posthuma*).

**Unit-IV**

5. Describe the general characters, structure and affinities of Rotifera.

**OR**

**( 3 )**

Write short notes on any **two** of the following :

- (a) Nauplius larva of prawn
  - (b) Cercaria larva of liver fluke
  - (c) Bipinneria larva of echinodermata
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