

CR-2572
M.SC. (FIRST SEMESTER) EXAMINATION,
NOV. DEC. 2018
ZOOLOGY
PAPER : SECOND

(Structure and Function of Invertebrates)

Time Allowed : Three hours Maximum Marks : 40

Note : Attempt questions of all two sections as directed.

Distribution of marks is given with sections.

Section – ‘A’

(Short Answer Type Questions) 5×3=15

Note : Attempt all five questions. One question from each unit is compulsory.
Each question carries 03 marks. Answer should not exceed 100 words.

Unit-I

1. Write a brief note on hydrostatic movement in Echino-dermata.

OR

Comment on ciliary movement in Protozoa.

Unit-II

2. Give a brief note on gills as respiratory organs in invertebrates.

OR

Describe feeding and digestion in Mollusca briefly.

Unit-III

3. Discuss excretory organs in crustaceous briefly.

OR

Discuss osmo regulation briefly with suitable examples of invertebrates.

Unit-IV

4. Describe neuron system of Coelenterates.

OR

Describe nervous system of Annelids.

Unit-V

5. Comment on Entoprocta.

OR

Comment on larvae of Cestodes.

Section – ‘B’

(Long Answer Type Question) 5×5=25

Note : Attempt all five questions. One question from each unit is compulsory. Each question carries 5 marks. Answer should not exceed 800 words.

Unit-I

6. Give an account of amoeboid movements and related theories in Protozoa.

OR

Describe hydrostatic movements in Annelida.

Unit-II

7. Write a brief essay on respiratory pigments of invertebrates.

OR

Describe the process of filter feeding in Polychaeta.

Unit-III

8. Describe excretion in Mollusca & Echinodermata.

OR

Describe excretory organs & excretion in Platyhelminthes.

Unit-IV

9. Describe nervous system of Squilla.

OR

Describe nervous system of Sepia.

Unit-V

10. Describe structure and affinities of Phoronida.

OR

Describe larval forms of Echinodermata.