

2024

Time :As in Programme

Full Marks : 100

The figures in the right-hand margin indicate marks.

Answer all questions.

PART-I

1. Answer all the following Questions. 1x10
- a. Which type of pseudopodia seen in Amoeba ?
 - b. Plasmodium belongs to ____ class.
 - c. The larva of Ctenophora is known as ____.
 - d. What are functions of flame cells ?
 - e. ____ type of body cavity found in ascaris.
 - f. Which is connecting link between Arthropoda and Annelida.
 - g. In hemimetabolous insect the immature stages are called as ____.
 - h. Ecdysone is secreted by ____ gland.
 - i. Torsion is seen in which class of Mollusca.
 - j. What is the function of Aristotles lantern ?

PART-II

2. Answer the following questions in 50 words each. 2x9
- a. Give four important haraters of protozoa ?
 - b. What is metagenesis ?
 - c. What are oral reefs ?

(Turn Over)

- d. What do you mean by digenetic lifecycle ?
- e. What is nephridia ?
- f. What are stages of insect metamorphosis ?
- g. What are significance of metamerism ?
- h. What is detorsion ?
- i. What do you mean by tubefoot ?

PART-III

3. Answer any eight questions of the followings in 250 words each. 5x8
- a. Define evolutionary significance of Ctenophora ?
 - b. Define modifications of polyp in coelenterate.
 - c. Define parasitic adaptation in Helminthes ?
 - d. Define pathogenicity of wuchereria ?
 - e. What is coelom, define its types ?
 - f. Define direct and indirect vision ?
 - g. Define caste systems of honey bee ?
 - h. Give structural picularities of trochophore larva ?
 - i. Discuss different events of Torsion ?
 - j. Write notes on Onychophora ?

PART-IV

Answer any four of the following questions in 800 words each.

8x4

4. Describe canal system of porifera ?
5. Describe life cycle of Ascaris.
6. Describe respiration in Arthropoda.
7. Discuss about different larva of Echinodermata.
8. Describe excretion in Annelida.

