

Time: 3 Hrs.

Max.Marks: 60

SECTION - A

Answer all questions.

10 × 2 = 20

1. What is meant by tautonymy? Give two examples.
2. Mention any two substances secreted by mast cells and their functions.
3. What is enterocoelom? Name the entero coelomate phyla in the animal kingdom.
4. Distinguish between a tendon and a ligament.
5. What are the excretory cells of flatworms called? What is the other important function of these specialised cells?
6. In which group of animals do we find three ear ossicles on each side and what are their names from the inner most to the outermost?
7. What is a kinety?
8. The eggs of Ascaris are called 'mammillated eggs'. Justify.
9. Distinguish between lobopodium and filopodium. Give an example to each of them.
10. Which air pollutants are chiefly responsible for acid rains?

SECTION - B

Answer Any six questions.

6 × 4 = 24

11. What is evil quartet?
12. Given an account of the supporting cells of nervous tissue.
13. Mention the salient features of Holothuroidea.
14. List out the extant orders of the class Reptilia. Give two examples for each other.
15. Describe the process of longitudinal binary fission in Euglena.
16. Why in adolescence is considered as vulnerable phase?
17. Draw a neat labelled diagram of the mouthparts of cockroach.
18. Compare the adaptations of animals with fresh water and sea water mode of life.

SECTION - C

Answer any two of the following.

2 × 8 = 16

19. What are the causes of water pollution and suggest measures for control of water pollution?
20. Describe the digestive system of cockroach with the help of a neat labelled diagram.
21. Describe the life cycle of Plasmodium vivax in mosquito.