

SECTION - A

10 X 2 = 20

1. What is Tautonymy ? Give one example.
2. What is the taxonomic position of parazoa ? Name the kingdom of the five kingdom classification to which it belongs.
3. What is Aristotle Lantern ? Name an echinoderm that possesses it.
4. What is Eosinophilia ?
5. Distinguish between Mastogonemes and Flimmers.
6. What are the metacystic forms in Entamoeba histolytica ?
7. Explain the association between termite and protozoan in its intestine.
8. What is the function of Haemoglobin ? where it is present in Pheretima?
9. Which stage of silkworm yield silk ?
10. Distinguish between Phototaxis and Photokinesis

SECTION B ANSWER ANY 6

6 X 4 = 24

11. Write short notes on the salient feature of Anthozoans
12. Explain the structure of cartilage. Add a note on its growth.
13. Describe the types of pseudopodia in protozoans.
14. Explain the formation of conjugants in the process of conjugation in vorticella.
15. Explain the pathogenicity of wuchereria bancrofti.
16. Describe the physiology of digestion in cockroach
17. Draw a neat labelled diagram of the mouth parts of female mosquito.
18. Explain the different types of ex-situ management of biodiversity.

SECTION - C

ANSWER ANY 2

2 X 8 = 16

19. Describe the human phase of Plasmodium vivax with diagrams.
20. Give an account of nervous system in Pheretima with diagrams.
21. Write an essay on Temperature as an ecological factor.