

Zoology – First Year – MAY - 2009

SECTION -- A

10 X 2 = 20

1. Distinguish between Eugenics and Euphenics.
2. 'All body cavities are not true coelom'. Justify the statement.
3. What are the excretory cells of flat worms ? what is their primary function?
4. Name the glial cells that are associated with blood-brain barrier.
5. List out any two differences between a flagellum and cilium.
6. Distinguish between facultative parasite and obligatory parasite.
7. What are the lymphadenitis and lymphangitis ?
8. Write the names of the two parts of the spermatheca. In which part of spermatheca, spermatozoa are stored after copulation.
9. Write any four useful products obtained from honey bees.
10. What are decomposers ? write their significance.

SECTION - B ANSWER ANY 6

6 X 4 = 24

11. Write differences between centipedes and millipedes.
12. Write notes on simple epithelia.
13. Draw a neat labelled diagram of the mouth parts of cockroach
14. Describe the different types of pseudopodia in protozoans.
15. Explain the process of longitudinal binary fission in Euglena.
16. Explain the pathogenicity of Taenia solium
17. Describe the structure of tracheae of cockroach.
18. Explain the importance of age-pyramids.

SECTION - C ANSWER ANY 2

2 X 8 = 16

19. Describe the mosquito phase of Plasmodium vivax
20. Describe the digestive system in pheretima with diagram.
21. What is bio-diversity ? Explain bio-diversity in Indian context.