

Zoology – First Year - JUNE 2010

SECTION - A

10 X 2 = 20

1. Distinguish between protostomes and deuterostomes.
2. Distinguish between schizocoelomata and enterocoelomata.
3. What is a nuclear dimorphism ? which protozoan exhibit it ?
4. What is Schwann sheath ? write its function .
5. Define incubation period.
6. What is plamotomy ?
7. A person is suffering from bowel irregularity, abdominal pain, blood and mucus in stools. Based on these symptoms, name the disease and its causative organism.
8. What are nephridial forests / where they present ?
9. Which is the largest phylum in the animal kingdom ? How was its name is derived ?
10. What are decomposers ? write their significance.

SECTION B ANSWER ANY 6

6 X 4 = 24

11. What are the chief characters of the crustaceans ?
12. Explain the haversian system.
13. Explain the sol-gel theory of amoeboid locomotion
14. Describe the process of longitudinal binary fission in Euglena.
15. Describe the parasitic adaptations.
16. Draw a neat labelled diagram of mouth parts of a house fly.
17. What is tyhe economic importance of honey bees ?
18. Describe the effect of light on the movement in organisms .

SECTION - C

ANSWER ANY 2

2 X 8 = 16

19. Describe the mosquito phase of plasmodium vivax.
20. Give an account of the reproductive organs in Pheretima. Draw a neat diagram of the reproductive system.
21. Explain the wild life managements in India.