

**Second Year B.Sc MLT Degree Regular/Supplementary Examinations
January 2024**

Parasitology and Entomology

Time: 3 Hours

Total Marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers.*
- *Draw Diagrams wherever necessary.*

Essay (2x10=20)

1. Enumerate tissue nematodes. Describe the pathogenesis, clinical features and laboratory diagnosis of filariasis. (3+7)
2. Enumerate the coccidian parasite seen in HIV patients. Discuss briefly clinical manifestation and laboratory diagnosis of toxoplasmosis. (2+8)

Short notes (10x5=50)

3. Mosquito control methods.
4. Bionomics, life cycle and public health importance of Aedes Mosquito.
5. Rat flea and its disease transmission and control.
6. Sarcoptes scabies: public health importance and control.
7. Hard tick.
8. Morphologically differentiate Plasmodium vivax and Plasmodium falciparum.
9. Laboratory diagnosis of Amoebiasis.
10. Pathogenicity and Laboratory diagnosis of Echinococcus granulosus.
11. Laboratory diagnosis of cysticercosis.
12. Examination of urine for parasites.

Answer briefly (10x3=30)

13. Public health importance and control of cyclops.
14. Body louse.
15. Sand Fly.
16. Giardia intestinalis.
17. Preservation of faeces.
18. Culture media used for Trypanosoma.
19. Montegro test.
20. Xenodiagnosis.
21. Protozoans found in blood.
22. Bile stained ova in stool.