

**Second Year B.Sc MLT Degree Regular/Supplementary Examinations
January 2025**

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. Describe the morphology and life cycle of *Entamoeba histolytica*. Explain the clinical features, pathogenesis and lab diagnosis of intestinal amoebiasis (2+2+2+2+2)
2. Enumerate tissue nematodes. Describe the pathogenesis, clinical features and laboratory diagnosis of filariasis. (2+2+2+4)

Short notes**(10x5=50)**

3. Itch mite
4. Toxoplasmosis
5. *Plasmodium vivax*
6. *Hymenolepis nana*
7. *Diphyllobothrium latum*
8. Hydatid disease
9. Laboratory diagnosis of Kala-azar
10. Differences between hard tick and soft tick
11. Chemical control of arthropods of public importance
12. Methods of disease transmission by insect vectors

Answer briefly**(10x3=30)**

13. Entero test
14. Larva migrans
15. Black fly
16. Blocked flea
17. Biological control of mosquitoes
18. Differentiate relapse and recrudescence.
19. Egg counting in stool sample
20. Auto infection of parasite
21. *Isospora belli*
22. NIH swab