

**Second Year B.Sc MLT Degree Regular/Supplementary Examinations
December 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. Describe the morphology, life cycle, pathogenesis and laboratory diagnosis of *Echinococcus granulosus*

Short notes

(10x5=50)

3. Methods of mosquito control
4. Bionomics, life cycle and public health importance of *Aedes* mosquitoes
5. Cyclops
6. Morphology, life cycle and public health importance of sand fly
7. Differentiate between hard tick and soft tick
8. Laboratory diagnosis of malaria
9. Serodiagnosis of Toxoplasmosis
10. Laboratory diagnosis of trichuriasis
11. Pathogenicity and laboratory diagnosis of *Strongyloides stercoralis*
12. Laboratory diagnosis of filariasis

Answer briefly

(10x3=30)

13. Paris green
14. *Cysticercus cellulosae*
15. Myiasis
16. Define intermediate host with two examples
17. LD bodies
18. NIH swab
19. Flea index
20. Universal fixative for stool parasite
21. Bile-stained ova
22. Larva migrans
