

Second Year B.Sc MLT Degree Supplementary Examinations July 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, life cycle, pathogenesis and clinical features of *Ascaris lumbricoides*
2. Define insecticides. Classify them with examples. Describe briefly about any three insecticides

Short notes

(10x5=50)

3. Free living amoebae
4. Morphology, life cycle and medical importance of bed bugs
5. Life cycle and laboratory diagnosis of *Toxoplasma gondii*
6. Examination of blood for parasites
7. Tsetse fly
8. Differentiate the various stages of *Anopheles* and *Culex* mosquitoes
9. Hydatid cyst
10. Life cycle and pathogenesis of pin worm infection
11. *Fasciola hepatica*
12. Morphology and life cycle of hard tick

Answer briefly

(10x3=30)

13. Name three acid fast parasites
14. Larvae demonstrated in stool
15. Bionomics of *Aedes* mosquitoes
16. Black water fever
17. *Dirofilaria*
18. Three parasites demonstrated in urine
19. River blindness
20. Define intermediate host. Give Two examples
21. Neatly labelled diagram of *Entamoeba histolytica* trophozoite
22. Xenodiagnosis
