

**Second Year B.Sc MLT Degree Supplementary Examinations
January 2022**

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 and pathogenesis of *Ascaris lumbricoides*.
2. Define insecticides. Classify them with examples. Describe briefly about any three insecticides. (1+3+6)

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 *cryptosporidium parvum*
6. Examination for microfilariae
7. Sand fly
8. Differentiate the various stages of *Anopheles* and *Culex* mosquitoes
9. Hydatid cyst
10. Life cycle and pathogenesis of hook worm infection
11. *Clonorchis sinensis*
12. Morphology and life cycle of scabies mites

Answer briefly

(10x3=30)

13. Name three diseases transmitted by hard tick
14. Larvae demonstrated in stool
15. Bionomics of *Aedes* mosquitoes
16. Black water fever
17. Auto infection
18. Three parasites demonstrated in urine
19. Gravid segments of *Taenia solium* and *Taenia saginata*
20. Mode of transmission of *Toxoplasma gondii*
21. Neat labelled diagram of *Entamoeba histolytica* trophozoite
22. N.N.N. medium