

**Second Year B.Sc MLT Degree Regular/Supplementary Examinations  
May 2021**

**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 the human malarial parasites. Describe the life cycle and laboratory diagnosis of malaria due to plasmodium falciparum (2+4+4)
2. Describe the life cycle and laboratory diagnosis of echinococcus granulosus (5+5)

**Short notes**

**(10x5=50)**

3. Trophozite of entamoeba histolytica
4. Trypomastigote form of trypanosoma.
5. Define life cycle of Toxoplasma gondii.
6. Laboratory diagnosis of infections due to trichomonas vaginalis
7. Life cycle of ascaris lumbricoides
8. Laboratory diagnosis of trichuriasis
9. Life cycle of housefly (musca domestica)
10. Differences between hard tick and soft tick
11. Body louse and its relevance to human infections.
12. Morphology and Medical importance of Sarcoptes scabiei.

**Answer briefly**

**(10x3=30)**

13. Sedimentation method for concentration of stool specimen
14. Pneumocystis jiroveci
15. Leishmania donovani body (LD body)
16. Diagram of cyst of Giardia intestinalis
17. Enumerate at least three differences between taenia solium and taenia saginata
18. Cyclops
19. Novy MacNeal Nicolle medium (NNN medium)
20. Cultivation of entamoeba histolytica.
21. Structure of trombicula autumnalis
22. Intermediate host with two examples