



**UNIVERSITY OF JAFFNA, SRI LANKA**  
**BACHELOR OF SCIENCE IN MEDICAL LABORATORY SCIENCES**  
**SECOND YEAR SECOND SEMESTER EXAMINATION -JULY 2015**  
**MLSMP 2201 MEDICAL PARASITOLOGY**

**PAPER II**

**Date: 08.07.2015**

**Time: 2 Hours**

**ANSWER ALL FOUR QUESTIONS.**

1. Outline the **sampling techniques** and **laboratory procedure** for the diagnosis of the following conditions.
  - 1.1.Malaria (25 marks)
  - 1.2.Trichomoniasis (25 marks)
  - 1.3.Enterobiasis (25 marks)
  - 1.4.Lymphatic filariasis (25 marks)
  
2.
  - 2.1.Name the intestinal nematodes which cause anemia in human (10 marks)
  - 2.2.Briefly explain how the above mentioned nematodes causes anemia (30 marks)
  - 2.3.Outline the laboratory procedure to confirm the above infection (30 marks)
  - 2.4.How would you control the above mentioned nematodes in Sri Lanka (30 marks)
  
3.
  - 3.1.List the protozoans which cause blood and mucus diarrhea in human. (05 marks)
  - 3.2.Outline the life cycle of the parasites which you mentioned in 3.1 (40 marks)
  - 3.3.How would you collect the stool sample for the laboratory investigation of the above infection (25 marks)
  - 3.4.Briefly describe how you would differentiate the above mentioned protozoans in the laboratory. (30 marks)

4. Write short notes on

- 4.1. Flotation methods in stool analysis (25 marks)
- 4.2. Permanent stains for protozoan (25 marks)
- 4.3. Laboratory diagnosis of Toxoplasmosis (25 marks)
- 4.4. Aedes mosquito control in Sri Lanka (25 marks)