

**UNIVERSITY OF JAFFNA, SRI LANKA**  
**SECOND EXAMINATION FOR MEDICAL DEGREES PART 1 — April 2011**  
**PARASITOLOGY**

**Date: 01.04.2011**

**Time: 02 hours**

**ANSWER ALL THE FOUR QUESTIONS**

**Illustrate your answers with labeled diagrams wherever appropriate**

1. 1.1. 1.1.1. Name one protozoan that causes severe anaemia in human (05 Marks)  
1.1.2. Explain the mechanism by which this parasite causes anaemia in infected persons (25 Marks)  
1.1.3. Write the advice that you will give to a patient to prevent further infection with this parasite. (20 Marks)
- 1.2. 1.2.1. Name one Helminth that causes severe anaemia in human (05 Marks)  
1.2.2. Explain the mechanism by which this parasite causes anaemia in infected persons (25 Marks)  
1.2.3. Write the advice that you will give to a patient to prevent further infection with this parasite. (20 Marks)
2. Briefly describe the mode of transmission, diagnosis, prevention and control of the following parasitic diseases.  
2.1. Giardiasis (50 Marks)  
2.2. Trichomoniasis (50 Marks)
3. 3.1. Name the intestinal nematode that causes peri-anal itching in children. (10 Marks)  
3.2. Describe the sample collection and laboratory diagnosis of the above. (40 Marks)  
3.3. Design a suitable control program to prevent the above condition in a camp for internally displaced people. (50 Marks)
4. Write short notes on:  
4.1. Laboratory diagnosis of cutaneous leishmaniasis (30 Marks)  
4.2. Prevention and control of head louse infestation (30 Marks)  
4.3. Tropical pulmonary eosinophilia (40 Marks)