

**UNIVERSITY OF JAFFNA, SRI LANKA**  
**SECONE EXAMINATION FOR MEDICAL DEGREES PART I (1<sup>st</sup>) –June 2010**  
**Parasitology Paper II**

Date: **29.06.2010.**

Time: 02 hours

ANSWER ALL four QUESTIONS

Illustrate your answers with labeled diagrams wherever appropriate.

1.
  - 1.1 Briefly describe the lifecycle of *Plasmodium vivax* (50 Marks)
  - 1.2. How does knowledge of the above life cycle help in diagnosing *vivax* malaria? (25 Marks)
  - 1.3. How would you use your knowledge of the life cycle of *P.vivax* to control an outbreak of malaria (25 Marks)
  
2. A male patient was admitted to the medical ward of Jaffna Teaching Hospital with the history of continuous fever for 3 days and right hypochondrial pain. He had the previous history of blood and mucous diarrhea 3 months back.
  - 2.1. Name the most likely disease caused by a protozoan parasite. (10 Marks)
  - 2.2. Describe the diagnosis including history, examination and laboratory investigations? (50 Marks)
  - 2.3. Discuss the prevention & control of this disease. (40 Marks)
  
3.
  - 1.1. Name seven poisonous land snakes in Sri Lanka (15 Marks)
  - 1.2. Briefly describe the local and systemic effects of envenomation caused by the snakes of the following families.
    - 1.2.1. Elapidae (25 Marks)
    - 1.2.2. Viperidae (25 Marks)
  - 1.3. Discuss the factors that should be considered in making the clinical decision on whether or not to give anti-venom. (35 Marks)
  
4. A 10 year old child from an orphanage presented with the complaints of loss of appetite and intense itching around the anus especially at night and early morning.
  - 4.1. Name the parasite most likely to be responsible. (10 Marks)
  - 4.2. Describe the methods used to confirm your diagnosis. (50 Marks)
  - 4.3. Propose a control strategy to protect this child from re-infection by the same parasite. (40 Marks)