

UNIVERSITY OF JAFFNA, SRI LANKA
SECOND EXAMINATION FOR MEDICAL DEGREES Part I–January 2010
PARASITOLOGY Paper II

Date: 04.01.2011.

Time: 02 hours

ANSWER ALL THE **FOUR** QUESTIONS

Illustrate your answers with **LABELED DIAGRAMS** wherever appropriate

1.
 - 1.1. List **four** protozoan parasites that cause diarrhea in humans. (10 Marks)
 - 1.2. How would you differentiate amoebic dysentery from bacillary dysentery? (40 Marks)
 - 1.3. Describe the mode of transmission of amoebic dysentery. (25 Marks)
 - 1.4. Outline the challenges faced in establishing a laboratory diagnosis of the infections named in 1.1 (25 Marks)

2.
 - 2.1. Name the main nematode transmitted by mosquitoes to humans in Sri Lanka. (05 Marks)
 - 2.2. Describe the diagnostic procedure of the disease caused by the above mentioned parasite (including history, sample collection & laboratory confirmation). (40 Marks)
 - 2.3. List other **four** diseases transmitted by mosquitoes in Sri Lanka along with the principal vector species of each disease. (10 Marks)
 - 2.4. Outline the important steps involved in the control of **three** mosquito vector species named in 2.3. (45 Marks)

3.
 - 3.1. Name **two** intestinal nematode species that infect humans through skin penetration in Sri Lanka. (10 Marks)
 - 3.2. How will you investigate an anemic patient suspected of infection with one of the above mentioned parasites (with respect to history, clinical signs, laboratory diagnosis)? (40 Marks)
 - 3.3. Propose a suitable control strategy for an area where a high proportion of individuals are anemic as a result of soil transmitted helminthes infection. (50 Marks)

4. Write short notes on:
 - 4.1. Cutaneous larva migrans. (30 Marks)
 - 4.2. Viper envenomation. (30 Marks)
 - 4.3. Parasitic zoonoses. (40 Marks)