



UNIVERSITY OF JAFFNA, SRI LANKA

SECOND EXAMINATION FOR MEDICAL DEGREES (2nd) February 2019

Parasitology

Date: 07.02.2019

Time allowed: 2 hours

Answer all **four** questions

1. A 50-year-old businessman returned from India presented to the Teaching Hospital Jaffna having fever with chills and rigors, observed in alternative days, for more than a week. On clinical examination he was pale and a moderate splenomegaly was noted.
 - 1.1 What could be your most probable clinical diagnosis (05 marks)
 - 1.2 Name the parasite that could have caused the above condition (05 marks)
 - 1.3 Briefly describe that how will you confirm your diagnosis at the laboratory (including the sample collection) (40 marks)
 - 1.4 Briefly describe your role as a medical officer in preventing further spread of the condition of the above patient (40 marks)
 - 1.5 State how this patient could have prevented from contracting the above condition (10 marks)

2. A 40 year old laborer admitted to the Teaching Hospital Jaffna for having blood and mucous diarrhoea for more than two days. History revealed that he frequently had snacks at roadside stalls and having "toddy".
 - 2.1 What could be the possible parasitic clinical condition for the above presentation (05 marks)
 - 2.2 Name the parasite that could have caused the above condition (05 marks)
 - 2.3 Briefly describe that how will you confirm your diagnosis at the laboratory (including the sample collection) (30 marks)
 - 2.4 The same patient readmitted to the hospital with the complaint of fever and right hypochondrial pain after nine months
 - 2.4.1 What could be your possible clinical diagnosis (05 marks)
 - 2.4.2 State the investigations with respective findings those will help you to confirm the above condition (35 marks)
 - 2.5 How will you advise the above patient in order to prevent further infection of the same parasite (20 marks)



3.

3.1 Write an account on the aetiology and pathogenesis of cutaneous larva migrans in humans (50 marks)

3.2 Discuss the risk factors for this infection in the Sri Lankan setting (25 marks)

3.3 What are the measures to be taken to prevent the above infection (25 marks)

4. A 35-year-old farmer was admitted to the Teaching Hospital, Jaffna 3 hours after an unidentified snake bite. On admission, he had pain and bleeding at bite site over the right ankle. He also complained of double vision and drooping of his eyelids. Few hours later, he complained of difficulty in speech and unable to walk. Medical officer has examined him and ordered some blood investigations and started on treatment.

4.1 What investigation would you do immediately in the ward that will help you to determine the likely offending snake (10 marks)

4.2 If the above investigation becomes positive, what is the most likely snake (10 marks)

4.3 Outline the important steps in the management of this patient (40 marks)

4.4 What complication/s will you anticipate in his management (20 marks)

4.5 What advice you would give this patient on discharge from the hospital (20 marks)

