

UNIVERSITY OF JAFFNA, SRI LANKA

SECOND EXAMINATION FOR MEDICAL DEGREES (PART I) June 2014

Medical Parasitology

Date : 03.06.2014

Time allowed: 2 hour

Answer all **four** questions

1. A 45 year old male returned from India after a month of business trip was admitted to the Teaching Hospital Jaffna with the complaints of fever with chills and rigors. Clinical examination revealed that the above patient was anemic and having the splenomegaly.
 - 1.1. What could be the parasite responsible for the above condition (10 Marks)
 - 1.2. How will you confirm the above condition (30 Marks)
 - 1.3. What are the measures that you will implement to prevent further spreading of the above parasitic infection in the community? (60 Marks)

2. A 15 year old school boy staying in the hostel was presented to skin clinic complaining of intense itching (pruritus), at the site of webbing between the fingers. He also mentioned that the itchiness was worse especially at night.
 - 2.1. What could be the possible parasite responsible for the above? (05Marks)
 - 2.2. How will you confirm the infection which you mentioned above? (25 Marks)
 - 2.3. Briefly describe the appropriate treatment procedure for the above patient. (35Marks)
 - 2.4. How will you advice the patient to prevent the reinfection of the above parasite. (35Marks)

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3. A 25-year-male was bitten by a snake on his foot while working in his paddy field. The patient was admitted to the hospital 2 hours after the bite. On admission the victim complained severe pain at the bite site. Examination of the patient revealed marked swelling and bleeding at the site of bite. His blood was incoagulable when assessed by the 20WBCT. But, there was no evidence for having any neurological manifestations of envenoming. He passed urine few hours after the admission. It was normal in color and there were no proteins or red cells in the urine.
- 3.1. Name the most likely snake that could have been responsible for the above. (10 Marks)
- 3.2. Briefly describe the reasons for the above (3.1) judgment (25 Marks)
- 3.3. What are the measures that you will take to minimize the anaphylactic reactions while administering the antivenom? (25 Marks)
- 3.4. How will you make the clinical decision whether the above patient has completely recovered or he needs more anti venom after the initial anti venom dose? (40 Marks)
4. Write short notes on the following
- 4.1. Prevention and control of emerging leishmaniasis in Sri Lanka (30Marks)
- 4.2. Hepatic amoebiasis (30 Marks)
- 4.3. Parasitic Zoonosis (40 Marks)