

FACULTY OF ALLIED HEALTH SCIENCES, UNIVERSITY OF RUHUNA
 Department of Medical Laboratory Science
 Year End Examination, Year 2 – 2016/2017 (10th) Batch
 MLS 2104 – Medical Parasitology – SEQ

Date: 21st January 2021

Time: 10.30 a.m. – 11.30 a.m.

Duration: 01 hour

Answer all questions. Use only the space provided for answering

1. 1.1. Name **four** important specimens used in the diagnosis of protozoan infections in human and **state a** disease that can be diagnosed by each type of specimen. (10 marks)

Specimen	Parasitic disease

1.2. Describe the methods of transportation of human specimens mentioned in 1.1. (15 marks)

Specimen	Method of transportation

1.3. Name **five** different diagnostic stages of parasitic diseases and indicate **a** disease that can be diagnosed by each diagnostic stage. (15 marks)

Diagnostic stage	Parasitic disease

1.4. State the **diagnostic tests** that are used in the identification of parasitic stages mentioned in 1.3 and their **advantages and disadvantages**. (40 marks)

Diagnostic test	Advantages	Disadvantages

1.5. Describe the prevention of parasitic diseases mentioned in 1.3.

(20 marks)



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2.

2.1 Name **five** parasites which could be identified under a light microscope using a Kato-Katz smear.

(10 marks)

Parasites

2.2 Categorize parasites mentioned in 2.1 according to the **site of infection**. The site has to be mentioned in the relevant cage. (10 marks)

Site 1:	Site 2:

2.3 Out of parasites mentioned in 2.1 which parasite has the highest prevalence in Sri Lanka? (05 marks)

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2.4 Outline the life cycle of the parasite mentioned in 2.3. (30 marks)

2.5 List **three** diagnostic methods available to diagnose infection due to the parasite mentioned in 2.3. (10 marks)

2.6 List the advantages and disadvantages of the diagnostic techniques mentioned in 2.5. (15 marks)

Advantages	Disadvantages

2.7 How would you assess the endemicity of the parasite mentioned in 2.3 in a given MOH area? (20 marks)
