



UNIVERSITY OF RUHUNA
FACULTY OF MEDICINE
Third Examination for Medical Degrees (Part I)
19th April 2021
PARASITOLOGY – Paper II
10.30 a.m. to 12.30 p.m. (2 hours)



Index Number

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Answer all four questions
Illustrate your answers with labelled diagrams wherever necessary
Use only the space provided for answering

2. A 75-year-old female from Matara developed pain and redness over an oedematous area below-knee of the right lower limb following severe popliteal lymphadenopathy on the same side. A palpable lymphatic vessel was detected over the medial aspect of the right lower limb. Filariasis test strip (FTS) was negative.

2.1. State the most possible filarial worm which could cause this pathology. Give a reason. (10 marks)

Parasite –
Reason –

2.2. List two (02) possible pathophysiological pathways leading to the above clinical presentation. (10 marks)

1. —
2. —

2.3. Identify three (03) morbidities expressed in the above case scenario. (10 marks)

1. —
2. —
3. —

2.4. Describe the general pathophysiology briefly for morbidities mentioned in 2.3. (20 marks)



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Q3

Index Number

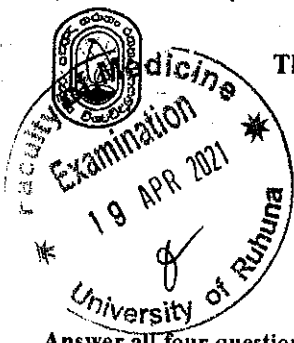
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Treatment

Prevention

3.3. A 24-year-old heavy alcohol consumer is having blood & mucous diarrhoea. (35 marks)

Laboratory diagnosis



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Q4

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Answer all four questions
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 Use only the space provided for answering

4. 4.1. Significant number of emergency admissions due to snake bites are reported in Sri Lanka.

4.1.1. List two (02) medically important families of snakes in Sri Lanka. (04 marks)

1.
2.

4.1.2. List four (04) envenomation features and indicate whether it is present or absent in families 1 and 2. (12 marks)

Envenomation feature	Family 1	Family 2
1.		
2.		
3.		
4.		

4.1.3. List four (04) important morphological features and indicate whether it is present or absent in families 1 and 2. (12 marks)

Morphological feature	Family 1	Family 2
1.		
2.		
3.		
4.		



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Q4

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4.2. Sri Lanka has started a programme to eliminate soil transmitted helminths.

4.2.1. State two (02) hookworms reported in the world causing human infection. (4 marks)

1.
2.

4.2.2. Outline the differences between 1. and 2. mentioned in 4.2.1. (08 marks)

	Species 1	Species 2
Mouth parts		
Mode of transmission		
Severity of anaemia		
Ectopic tissue migration		

4.2.3. List three (03) epidemiological indices used in the elimination programme. (08 marks)

Indices
1.
2.
3.

