

## 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 Illustrate your answers with labelled diagrams wherever necessary Use only the space provided for answering 1. A 24-year-old female presented with high fever, chills and rigours for five days duration. She is a student of a university in India and has returned to Sri Lanka five months ago due to the covid-19 pandemic. While in India, she claimed to have been treated with a three-day course of oral medications for a similar febrile illness. She was also given another drug to take for 14 days which she failed to complete. A parasitic disease is suspected.

1.1. State the most likely parasite causing her present infection.	(Marks 10)
1.2. Explain how the patient developed her present illness.	(Marks 20)
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Index number





1.3. Outline how you would establish a parasitological diagnosis.	(Marks 30)
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Index number

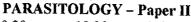


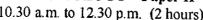


1.4. Outline the management of this patient.	(Marks 30
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1.5. List two drugs which can be given as chemoprophylaxis when she	e gets back to India (Marks 10)
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2.	



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CI ON	10.30 a.m. to 12.3	0 p.m. (2 hours	)									
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Answer <u>all four</u> questions Illustrate your answers w Use only the space provid	rith labelled diagrams w	herever necessary	,									
<ol><li>A 75-year-old fema the right lower limb vessel was detected negative.</li></ol>	ale from Matara develor following severe pollowing severe pollower the medial aspe	pliteal lymphade	enopa	thy or	n the	same	side	. A p	alpal	ble ly	mph	of atic
2.1. State the most pos	sible filarial worm w	hich could cause	e this	patho	logy.	Give	e a re	ason		(10	) mai	rks)
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1. 2.	iore patriopriystologic	ai painways iea		o tne	abov	e cur	nical	prese			) mai	rks)
2.3. Identify three (03)	morbidities expresse	d in the above c	ase sc	enari	0.					(10	mai	rks)
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<b>2.4.</b> Describe the gener	al pathophysiology b	riefly for morbi	dities	ment	ioned	l in 2	.3.			(20	) mai	rks)
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# Third Examination for Medical Degrees (Part I) 19<sup>th</sup> April 2021 PARASITOLOGY – Paper II 10.30 a.m. to 12.30 p.m. (2 hours)







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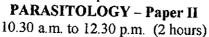


10.30 a.m. to 12.30 p.m. (2 hours)

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2.7. List the steps in the long-te	rm management of oedema	of the	righ:	t !ow	er lir	nh		(30	marks)
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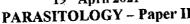




Index Number Answer all four questions Illustrate your answers with labelled diagrams wherever necessary Use only the space provided for answering 3. Describe the laboratory diagnosis, treatment and prevention of the diseases mentioned in the following case scenarios. 3.1. A 27-year-old policeman, working in Anuradhapura is having a non-healing ulcer over the nose. A parasitological etiology is suspected. (35 marks) Laboratory diagnosis Treatment



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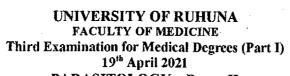






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3.3. A 24-year-old heavy alcohol	ol consumer is n	aving blood	& mu	cous	dıarı	hoea	•			(3	5 ma	rks)
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Answer all four questions Illustrate your answers with labelled Use only the space provided for answ	diagrams wherever necessary vering					
<ul><li>4.</li><li>4.1. Significant number of emergan</li></ul>	gency admissions due to en	olso bitaa aw		.d i.e Gui T	1	<del></del>
organical indinocr of effer	gency admissions due to sha	ake oftes are	е геропе	xa in Sri I	лапка.	
<b>4.1.1.</b> List two (02) medically in	nportant families of snakes	in Sri Lank	a.		(04 ma	rks)
1.						
	•					Ì

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		
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
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2.		
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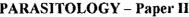


Index Number

	List three (03) species that the antivenin is not available in a situation of envenomation in	(06 marks
1.		
2.		
3.		<u> </u>
.1.5.	Outline the management of a snake bite caused by one of the snakes mentioned in 4.1.4.	(16 marks
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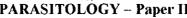


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<b>4.2.</b> Sri Lanka has starte	d a programme to elim	inate soil tra	nsmitted h	elminths.						
<b>4.2.1.</b> State two (02) ho	1. State two (02) hookworms reported in the world causing human infection.						(4 marks)			
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2.										
<b>4.2.2.</b> Outline the different	ences between 1 and 2 n	nentioned in	4.2.1.			((	0 <b>8</b> ma	rks)		
	Species 1		Sp	ecies 2						
Mouth parts										
Mode of transmission							_			
Severity of anaemia										
Ectopic tissue migration										
<b>4.2.3.</b> List three (03) epi	idemiological indices us	ed in the elin	nination pro	ogramme.		(	08 ma	ırks)		
Indices										
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<b>4.2.4.</b> Describe the prevention programme of soil transmitted helminth infection in Sri L	Lanka (30 marks)