

Third Examination for Medical Degrees (Part I) 1st February 2021

PARASITOLOGY - Paper II

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

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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 1. State the most possible parasitic diagnosis, describe the best possible drug management, follow up and methods of prevention that you would apply in the following case scenarios. 1.1. A 3-year-old child with malnutrition has presented with watery diarrhoea. Direct smear of a fresh faecal sample shows large number of parasites with typical fallen-leaf movement. (35 marks) 1.1.1. Diagnosis (05 marks) 1.1.2. Treatment to the causative agent (10 marks) Drug -Route of administration -An alternative treatment -1.1.3. Symptomatic treatment (10 marks) 1.1.4. Follow up and prevention (10 marks)



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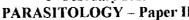




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2. A 56-year-old alcoholic fis reveals a right lobe hepatic	herman is having tender he abscess.	patomegaly.	The ultra so	ound scan of	f the abdomen (35 marks)
2.1. Diagnosis (05 marks)					
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2.2. Treatment to the causation	ve agent (10 marks)				
rug -					
oute of administration -					
n alternative treatment -					
.3. Symptomatic treatment (10 marks)				
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4. Follows and and a	(10)				
4. Follow up and prevention	(10 marks)				
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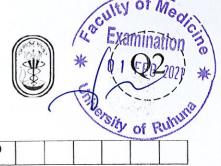
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1.3. A 4-year-old boy presented with passage of white we the segments has revealed that the segments are crea hexacanth embryos with polar projections.	my whit	e and	fles	hy. E	ar w Extrac	cted 6	eggs (have	shov	vn
.3.1. Diagnosis (05 marks)								_		
				·						<u> </u>
.3.2. Treatment to the causative agent (10 marks)										
Drug -										· -
Route of administration -									· • - ·	
An alternative treatment -				•			· ·			
1.3.3. Symptomatic treatment (5 marks)			-							
										
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1.3.4. Follow up and prevention (10 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 2. A 55-year-old female from Galle developed pain and redness over oedema of the right arm after severe axillary lymphadenopathy on the same side. A palpable lymphatic vessel was detected over the medial aspect of the right upper arm. Circulatory filarial antigen (CFA) test was positive. (10 marks) 2.1. State the most possible filarial worm which could cause this pathology. Give a reason. Parasite -Reason -2.2. List two (02) possible pathophysiological pathways leading to above clinical presentation. (10 marks) (10 marks) 2.3. Identify four (04) morbidities expressed in the above case scenario. (10 marks) **2.4.** Describe briefly the general pathophysiology for morbidities mentioned in 2.3.



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2.5. D	ا مال مالت		CEA	taat on	d atata	1	ny it is posi	tiva in	thic	natio	nt				(2	0 ma	ırks)
z.s. Desc	nbe the t	Dasis OI	Cra		u state		iy it is posi	uve m	tins j	panc							
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2.6. Des	cribe the	immedi	iate m	anagen	nent of	f th	e patient.								(1	10 m	arks)
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2.7. List the steps in the long-term management of oedema of right arm.

(30 marks)

z. r. Eist the steps in the	iong-term manage	ment of ocucin	ia of fight arm.	(50 marks)
			В	
		- W		 111111111111111111111111111111111111111



Answer all four questions

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Illustrate your answers with labelled diagrams wherever necessary

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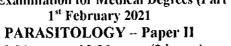


Use only the space provided for answering
 A previously healthy 54-year-old women presented to a National Hospital with three days of fever, headache, and myalgia. She arrived in Sri Lanka a week ago after a 2-month trip to India. The thin blood picture showed schizonts.

3.1. Name the most probable parasite which can cause the above presentation.	(10 marks
5.2. Briefly explain how she contracted the parasite mentioned in 3.1.	(20 marks



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Describe how the thin blood film is being done for the parasitolog	ical diagnosis. (20 mark
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State another confirmatory test.	(10 mar)



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3.5.	Outline the plan of managen	nent for this	patient.								(3	0 ma	ırks)
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3.6.	State two important steps tal the patient is diagnosed to b	ken by the A	nti-Malaria	Campa	aign t	o pre	vent	the sp	preac	l of tl	ne dis	sease 10 m	onc arks
	the patient is diagnosed to b		para	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,									
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				e de digina e de dirección de la compressión de									
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Examination

ı <u>.</u>			
	amount of	deaths due to snake bites are caused by elapids in Sri Lanka	1.
.1.1. Name fo	our medica	ally important elapids seen in Sri Lanka.	(10 marks
Banded:			
Non-banded:			
1.1.2. State the	e morpholo	ogical features for identification of types of elapids mentione	ed in 4.1.1. (24 marks
Banded:	Head		
	Body		te decity, leating
	Tail		
Banded:	Head		is mark a ca
	Body		
	Tail		-
Non-banded:	Head		
	Body		



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		Index N	umber	М	D	2	0						
	Tail		, ,,,						·· , ·				
Non-banded:	Head										···		
	Body										1.2.2	· · · · ·	
	Tail										,	<u></u>	
.1.3. Name ti	ne type of venom	possessed by the	elapids n	nentior	ned ir	1 4.1 .	1.				(6 ms	arks
Elapid:	Toxin/s:												
										<u></u>			
						-							
.1.4. Which	elapid is respons	ible for most deat	hs due to	snake	bites	in Sr	i Lar	ıka?			(2	2.5 m	ıark
										,			
1.1.5. Which	elapid is respons	ible for most hosp	oital admi	ssions	due t	o sna	ike b	ites i	n Sri	Lank	ca? (2.5 n	nark



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					L		·					I		
.1.6. What treatn	nent is g	iven in th	ie envenon	nation due to	the ela	apids	men	tione	d in	4.1.1		(:	5 ma	J'
Bapid:	Treatn	nent:		 	<u>,</u>									
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	1													
	I													
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.2. Zoonoses caus	sed by do	gs is not	uncommo	n in Sri Lanl	ka.									
.2. Zoonoses caus .2.1. Name one (nsmit	ted b	y dog	gs in	Sri L	Lanka	ı. (:	5 ma	1.
						nsmit	ted b	y dog	gs in	Sri I	Lanka	ı. (s	5 ma	11.
						nsmit	ted b	y dog	gs in	Sri L	Lanka	ı. (\$	5 ma	
	(01) imp	ortant not	tifiable zoo	onotic infecti	on trar							***		
.2.1. Name one ((01) imp	ortant not	tifiable zoo	onotic infecti	on trar							vaila		1
.2.1. Name one ((01) imp	ortant not	tifiable zoo	onotic infecti	on trar							vaila	ble in	1
.2.1. Name one (.2.2. Name the cl	(01) imp	ortant not	tifiable zoo	onotic infecti	on trar							vaila	ble in	1
.2.1. Name one (.2.2. Name the cl Lanka. Clinical form:	(01) imp	ortant not	tifiable zoo	onotic infecti	on trar							vaila	ble in	1
.2.1. Name one (.2.2. Name the cl Lanka. Clinical form:	(01) imp	ortant not	tifiable zoo	onotic infecti	on trar							vaila	ble in	1



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Lanka and nar	ne a country in which that clinical form is seen.	(10 marks
Clinical form:		
Causative agent:		
Country:		
.2.4. Describe the d	iagnosis and management of the commonest clinical for	m of the zoonosis mentioned in (25 marks)

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