## THE OPEN UNIVERSITY OF SRI LANKA FACULTY OF HEALTH SCIENCES DEPARTMENT OF MLS ACADEMIC YEAR 2018/2019 – SEMESTER I

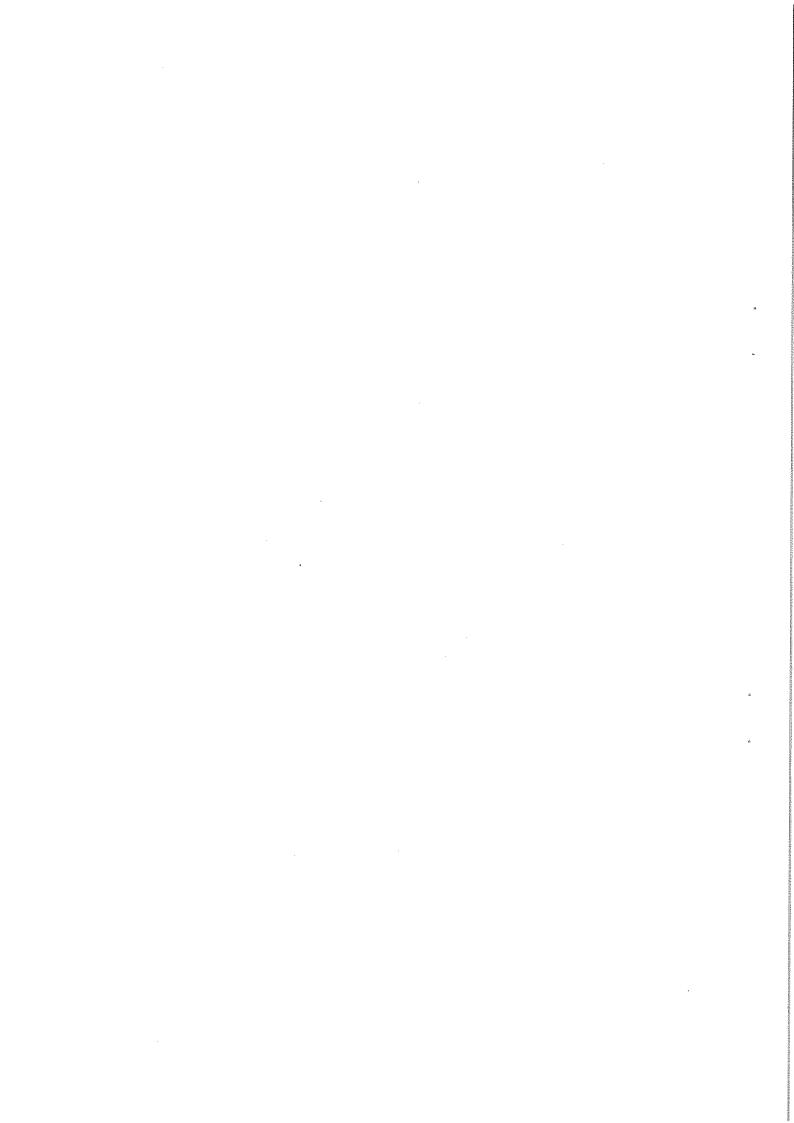


BACHELOR OF MEDICAL LABORATORY SCIENCES HONOURS
MDU5303 – IMMUNOLOGY & SEROLOGY – LEVEL 5
FINAL EXAMINATION DURATION: 03 HOURS

FILLAL EXAMINATION

DATE:05.03.2019

TIME: 1.30PM -4.30PM



	muex no	
Pai	rt B: Structured Essay Questions (40 marks)	
Q1: 1.1	: Name two (02) lymphoid organs where B and T cell central tolerance of	
		(2 Marks)
1.2	Name the two (02) processes that take place in T cell central tolerance.	(2 Marks)
i.		
ii.		
1.3	Name two (02) mechanisms that take place in T cell peripheral tolerand	ce.
		(2 Marks)
i.		,
ii.		
11.		• • • • • • • • • • •
1.4	Briefly describe one (01) of the mechanisms mentioned in 1.3.	(4 Marks)
		***********
	······································	

Total- 10 Marks

	2.1 N	Name two (02) clinical manifestations of Type I hypersensitivity.	(2 Marks)
	i. ii.		
	2.2 N i.	Jame two (02) allergens that cause Type I hypersensitivity.	(2 Marks)
	ii.		
	2.3 B	Briefly describe the mechanism of Type I hypersensitivity.	(6 Marks)
	•••••		•••••
	• • • • • • •	······································	
			·····
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			·
	• • • • • • •	•••••••••••••••••••••••••••••••••••••••	
	• • • • • •	······································	
• • •			

Q2:

Total- 10 Marks

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(4 Marks)

	Index No:	
Q3:		
3.1 N	Name the heavy chains present in the following antibodies.	(2 Marks)
i.	IgA	•
ii.	IgG	
iii.	IgM	
iv.	IgD	• • • • • • • • • • • • • • • • • • • •

3.2 Draw and label a diagram of general immunoglobulin structure.

3.3 Mention two (02) differences between primary and secondary humoral immune responses in the following table (4 Marks)

	Primary humoral immune response	Secondary humoral immune response
i.		
ii.		

## Total- 10 Marks

Q4:		
4.1	Name four (04) types of vaccines.	(2 Marks)
i.		
ii.		
iii.		
iv.		***************************************
4.2]	Briefly describe the following terms used in vaccination.	(4 Marks)
i.	Monovalent (univalent)vaccine	•••••
		••••••
		•••••
		•••••••••••••••••••••••••••••••••••••••
i.	Multivalent (polyvalent) vaccine	
		•••••••••••••••••••••••••••••••••••••••
		***************************************
		••••••

	Index No:				
4.3 Name four (04) factors that could determine the efficacy of a vaccine.					
		(4 Marks)			
		***************************************			
••••					
••••	Total 1	0 Marks			
	1 Otal- J	W WIAI KS			
Part C	C: Essay Question (30 marks)				
1	Describe host immune responses against extracellular bacterial info				
	the correct order.	15 Marks)			
2	Describe the mechanism of type II hypersensitivity reaction and its	clinical			
	manifestations.	(15 Marks)			
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## BACHELOR OF MEDICAL LABORATORY SCIENCES HONOURS MDU5303 IMMUNOLGOY & SEROLOGY-LEVEL 5 FINAL EXAMINATION (2018/2019)

## ANSWER SHEET FOR PART A

1.	a	ь	С	d	11.	a	b	С	d
2.	a	b	С	d	12.	a	Ъ	С	d
3.	a	ь	С	d	13.	a	Ъ	С	d
	,								•
4.	a	b	С	đ	14.	a	Ъ	С	d
	,								
5.	a	b	С	d	15.	a	ь	С	d
							-		1.
6.	a	b	c	d	16.	a	ь	С	d
						<b>L</b>			<b>.</b>
7.	a	b	С	d	17.	a	Ъ	С	d
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8.	a	ь	С	d	18.	a	b	С	d
				•					'
9.	a	ь	С	d	19.	a	b	С	d
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0	9	ь		đ	20	0	1.		.1