



THE OPEN UNIVERSITY OF SRI LANKA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF MEDICAL LABORATORY SCIENCES
ACADEMIC YEAR 2019/2020 – SEMESTER I

BACHELOR OF MEDICAL LABORATORY SCIENCES (BMLS) HONOURS MDU6503 – CLINICAL BIOCHEMISTRY III – LEVEL6 FINAL EXAMINATION DURATION: THREE (03) HOURS

DATE: 08<sup>TH</sup> SEPTEMBER 2020

TIME: 09.30 AM -12.30 PM

UNINGRUS

## $PART\ B-Structured\ Essay\ Questions$

	ncrease secretion or decrease secretion of its
hormone is related to the concentration	
	nals endocrine glands to increase or decrease
secretion of hormone molecules.	(04 marks)
A	
В	
,	•
2) Name the two lobes of the pituitary gl	and and mention two hormones (02) secreted by
each lobe.	(06 marks)
Lobes of the pituitary	Hormones secreted by each lobe
<u> </u>	A
	В
	C
	D
1.2. Write a short note on "secretion of rep	productive hormones in males and females".  (10 marks)
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		(Total: 20 Marks)
we	itamins are organic compounds required in very small	•
2.1.1.	List two (02) functions of vitamins giving one (01) vitamin a	
1	function.	(04 marks)
A.		
	•••••	
В.		
,		
2.2.	Give two (02) examples for fat soluble vitamins.	(02 marks)
A.		
В.		
2.3.	List four (04) characteristic features of fat-soluble vitamins.	(04 marks)
	Dist four (01) characteristic features of factors	,
D.		
2.4.	Briefly describe the importance of Vitamin C.	(10 marks)
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			(TF-4-3, (3,0,7), F 1, 3,
		•	(Total: 20 Marks)
		· · · · · · · · · · · · · · · · · · ·	(1 otai: 20 Marks)
3.	<b>A</b>	tumour marker is defined as a biomolecule which is produced by	,
3.			,
<ul><li>3.</li><li>3.1</li></ul>	or	tumour marker is defined as a biomolecule which is produced by	,
	or	tumour marker is defined as a biomolecule which is produced by by the host's cells in response to a tumour.	the tumour cells (02 marks)
	or A.	tumour marker is defined as a biomolecule which is produced by by the host's cells in response to a tumour.  List two (02) enzymes which can be used as tumor markers.	the tumour cells (02 marks)
	or A.	tumour marker is defined as a biomolecule which is produced by by the host's cells in response to a tumour.  List two (02) enzymes which can be used as tumor markers.	the tumour cells (02 marks)
	or A. B.	tumour marker is defined as a biomolecule which is produced by by the host's cells in response to a tumour.  List two (02) enzymes which can be used as tumor markers.	the tumour cells (02 marks)
3.1	or A. B.	tumour marker is defined as a biomolecule which is produced by by the host's cells in response to a tumour.  List two (02) enzymes which can be used as tumor markers.	(02 marks) (02 marks)
3.1	or A. B.	tumour marker is defined as a biomolecule which is produced by by the host's cells in response to a tumour.  List two (02) enzymes which can be used as tumor markers.  List two (02) hormones which can be used as tumor markers.	(02 marks) (02 marks)
3.1	or A. B.	tumour marker is defined as a biomolecule which is produced by by the host's cells in response to a tumour.  List two (02) enzymes which can be used as tumor markers.  List two (02) hormones which can be used as tumor markers.	(02 marks) (02 marks)
3.1	or A. B. A. B.	tumour marker is defined as a biomolecule which is produced by by the host's cells in response to a tumour.  List two (02) enzymes which can be used as tumor markers.  List two (02) hormones which can be used as tumor markers.	(02 marks)
3.1 3.2 3.3.	or A. B. A. B.	tumour marker is defined as a biomolecule which is produced by by the host's cells in response to a tumour.  List two (02) enzymes which can be used as tumor markers.  List two (02) hormones which can be used as tumor markers.	(02 marks)  (02 marks)
3.1 3.2 3.3.	or A. B. A. A.	tumour marker is defined as a biomolecule which is produced by by the host's cells in response to a tumour.  List two (02) enzymes which can be used as tumor markers.  List two (02) hormones which can be used as tumor markers.  List two (02) methods which can be used to detect tumor markers.	(02 marks)  (02 marks)  (02 marks)

		INDEX NO:	
3.4.		Mention two (02) types of genetic/molecular markers of tumors. (	04 marks)
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I	3.		
3.5.		Write a short note on "genetic markers of tumors".	10 marks)
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		(Total:	20 Marks)

	The knowledge of elimination kinetics of a drug is important in modifying dosage regime according to individual's need.	n prescribing and
4.1.	,	(02 marks)
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•	······································	
<b>4.1.</b> ]	List four (04), instances which could lead to elevation of volum drug.	e distribution of a
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	C D	
4.2.	Briefly describe the term "bio-transformation of drugs".	(06 marks)
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1.3.	Write a short note on "hepatic clearance of drugs".	(08 marks)
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-	(Total, 20 Marks)

## PART C – Essay Questions

1.	Write an essay on	"hormones secret	ed by adrenal co	ortex"	(30 marks)
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2. Write an essay on "biological importance of minerals". (30 marks)

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