Library

(35 marks)



FACULTY OF ALLIED HEALTH SCIENCES, UNIVERSITY OF RUHUNA Department of Medical Laboratory Science Second End Semester Examination – July 2023 – 2020/2021 Batch MLS 1252 Enzyme, Bioenergetics and Hormone Action–SEQ

	10 th July 2023 er all questions	Time: 2.30 p.m 3.30 p.m. Index Number:	Duration: 1 hour
1.	1.1 List four (04) ch	naracteristics of enzymes.	(10 marks)
	1.2 List five (05) fac	ctors affecting the enzymatic activity.	(15 marks)
	1.3 Briefly explain th	ne active site of an enzyme.	(20 marks)
	 1.4 Explain the bioch detoxification. 1.5 	hemical basis of ethanol administration for r	nethanol (20 marks)
	1.5.1 What are iso	ozymes?	(05 marks)
	1.5.2 Name two (02) examples for clinically important isozym	es. (10 marks)
	1.5.3 Briefly expla	ain why isozyme are useful in the clinical dia	gnosis. (20 marks)
2.			
	2.1 List two (02) ty	pes of preformed Vitamin A.	(10 marks)
	2.2 List five (05) ca	auses for Vitamin A deficiency leading to chi	ldhood blindness.
			(10 marks)
	2.3. Explain the synt	thesis of Vitamin D in the human body.	(30 marks)
	2.4		
	2.4.1 Name thre	ee differences between hormone receptor	
	proteins.		(15 marks)
	2.4.2 Using a clea	arly labelled diagram, explain the molecular	mechanism involved

in the action of thyroid hormone.