

FACULTY OF ALLIED HEALTH SCIENCES, UNIVERSITY OF RUHUNA

Department of Medical Laboratory Science Second End Semester Examination – August 2022 MLS 1274 Physiology II – Theory II (SEQ)

Time: 1.45 p.m. - 3.15 p.m.Date: 22/08/2022

Duration: 90 minutes

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Answer all questions		nestions Index Number:	Index Number:	
01.				
	1.1	State four hormones that contribute for and during pregnancy.	(20 marks)	
	1.2	What is GFR?	(20 marks)	
	1.3	What is filtration fraction?	(20 Marks)	
	1.4	Explain how countercurrent mechanism helps in concentrating urine.	(40 marks)	
02.				
	2.1	List five neurotransmitters associated with the nervous system.	(10 Marks)	
	2.2	Name five receptors located in the skin.	(15 marks)	
	2.3	Breathing is mostly an involuntary process. Briefly describe the process inhalation.	ess of (25 Marks)	
	2.4	Outline the process of depolarization of an axon as an action potential travel along a neuron. (30 Marks		
	2.5	Outline the events of the sliding filament model of striated muscle co	ntraction. (20 Marks)	
03.				
	3.1	Briefly describe five characteristics of hormones.	(20 marks)	
	3.2	What are the types of pancreatic endocrine cells and name one hormone secreted by each type of cell? (15 marks)		
	3.3	List five clinical manifestations of chronic diabetes mellitus.	(15 marks)	
	3.4	State five functions of saliva.	(10 marks)	
	3.5	State five components of the pancreatic juice and their digestive functions. (15 marks)		
	3.6	List four causes of constipation.	(10 marks)	
	3.7	Outline the steps in the process of "act of vomiting".	(15 marks)	