

## FACULTY OF ALLIED HEALTH SCIENCES, UNIVERSITY OF RUHUNA

Department of Medical Laboratory Science Year End Examination, Year 3 - 2015/2016 (9th) Batch MLS 3202 Animal Research – SEQ

Date: 05 <sup>th</sup> April 2021			1 ime: 10.00 a.m. – 11.00 a.m.	Duration: 01 hour
Answer all questions			Index Number:	
1.0	, sku	NA REA		2025 2025 2025 2025 2025 2025 2025 2025
1.0	1.1	State <b>four</b> factors (16 Marks)	that should be considered in planning an anii	mal research facility.
		3		
		M. B. S. B.		
	1.2	Briefly describe th	ne essential items required in a primary enclos	sure of Wistar rats.
				3.2
			lator er procesa génerale de protecteus siver alimathe	

State the time	e areas of an animal house.	(12 Mar.
	Dec 06.11 - Fra 08.0 (1998)	
		as abas agi 11 s
State <b>four</b> poi cage.	nts that you have to mention in the identification card of an	mals in a (16 Mark
cage.		(10 Mari
		18 (171.12)
State <b>one</b> prac	ctical application/use of each equipment listed below.	(16 Mar
Gavage tube		
Metabolic cag	e :	
Restrain device	e :	ANTONO PO
CO <sub>2</sub> chamber		
Briefly describ	be how animals are transported from one place to another.	(16 Mar
		and the first black

2.0	2.1	244	The content of the latest the lat	
		2.1.1	Name <b>three</b> methods used in the identification of rodents in a cage? (15 Mi	arks
			w <u>as turnant mana in take a meneren di aktor (Малек II) </u>	
		2.1.2	Different methods are used in removing or transferring rodents from the cage during an experiment. List four examples. (20 Mg	
		2.1.3	What are the factors that determine the best route of administration of substances to a laboratory animal in an experiment? (15 Mag)	ırks,
			inestered to material and analysis of	
		2.1.4	Briefly explain why oral gavage is preferred over dissolving the substance in drinking water or food of the laboratory animal. (15 Ma	arks

2.2	2.2.1	Name <b>five</b> factors that should be taken into account when formulating a diet for experimental animals? (20 Marks)
		voorstaatuu yn valaansi oo goodaa yn ol bhau yn Erroll eer inchollieg. Y 1.C.C. To oo o
		ene praesica, septi alian / lae sal euch applipment (stad before).
	2.2.2	Name <b>five</b> potential biological and chemical contaminants of feeds that may have an impact on the outcome of the research. (15 Marks)
	17 90 18 8 3 1 1	rene syr govinovi bi svojem otsnovi sapvogršanovičke nedposviteka. VEZ - VE.
		**********