



## FACULTY OF MEDICINE, UNIVERSITY OF RUHUNA B.Sc. Medical Laboratory Science Degree Programme Year End Examination-Year 3

6<sup>th</sup> Batch – Animal Research- SEQ

MLS - 3202

Date: 24 <sup>th</sup> July 2017		July 2017	Time: 10.00 a.m11.00a.m.	L'uration: 1 hour
Answer all questions Index Number:				
1.0	1.1		ors that should be considered when selecting two living laboratory animals.	g an anest hetic agent for (Marks 20)
	1.2	State three ch	aracteristics of an ideal anaethetic agent use	d in animal experiments. (Marks 15)
	1.3	Briefly explain	the significance of a humane end point in a	
			1	



State <b>two</b> methods of euthanasia on animals.	(Marks 1
Comment on 'the ethical considerations of the meth	nods stated in 1.4. (Marks 1
	100
State <b>four</b> tools/parameters used in the assessmen	
	t of behavior of animals in experiments.
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2.0

mutations.	(Marks 25)
State one advantage of a mutant strain.	(Marks 10)
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What are transgenic mice?	(Marks 15
	(110110



2.5	What is estrus cycle?	(Marks 20)
	College Colleg	
	Write one difference between animals and humans during their respective e	strus and
2.6	menstrual cycles?	(Marks 20)
	menstrual cycles.	
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