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Faculty of Medicine, University of Ruhuna Medical Laboratory Science Degree Programme

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Year end examination Year 1 – June 2015 6th atch – Human Biology MLS 1103 - theory – structured esay

Tuesday 30th June 2015 Time: 10.15 a.m. to 11.15 a.m.

Index Number:

Answer one question from PART A and one question from PART B in the spaces given.

PART A- Physiology

l.	1.1 State the names of two main inspiratory muscles.	(10 marks)
O.		
1.2	Explain how the two muscles stated above help in inspiration.	(10 marks)
1.3	What is dead space?	(10 marks)
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	4	
.4	State three places where chemoreceptors are located.	(15 marks)
		NOTED .
1.5	Explain the role of chemoreceptors in regulation of respiration.	(15 marks)
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In respiratory centre depression, hypoxia occurs along with hypercaphe	oea, but in thickening of
lar-capillary membrane hypoxia occurs with normal PaCO2. Explain this	difference. (20 marks)
	internet in the
Explain what happens to PaCO2, serum HCO2, and block at the	
Explain what happens to PaCO2, serum HCO3 ⁻ and blood pH if somebody hyperventilates intarily.	
	(20 marks)
2.1 List five functions of calcium in the body.	(10
	(10 marks)
ne three hormones important for calcium homeostasis in the body.	(15 marks)
- Calelon -	
ly state the role of two hormones in calcium homeostasis named in 2.2.	(30 84 1)
	(20 Marks)
2	

che hormones regulating menstrual cycle.	(20 Marks)
Describe the menstrual cycle relating the hormonal changes,	(11)
	(35 Marks)
6	
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