

## FACULTY OF ALLIED HEALTH SCIENCES, UNIVERSITY OF RUHUNA Department of Medical Laboratory Science

Year End Examination – Year 2 - 9<sup>th</sup> Batch Epidemiology (MLS 2102) – SEQ

Date: 16<sup>th</sup> December 2019

Time: 3.00 p.m. - 4.00 p.m.

Duration: 1 hour

Answer all questions	Index Number:	Index Number:		
1.				
a. Define the term Epidemiology.		(10 marks)		

b. List four uses of Epidemiology.	(20 marks)
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c. List two advantages and two disadvantages of cohort studies.				(20 marks)	
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2.

a. Results of a new method of detecting HIV in a Population is given below

		HIV +	HIV -	Total
Screening	Positive	36	25	61
Test	Negative	9	230	239
	Total	45	255	300

a. List four conditions that should be satisfied by the new screening test to be a good	ı
screening test. (20 mark	ks)
b. Calculate Sensitivity and Specificity of the new screening test. (30 mark	ks)
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