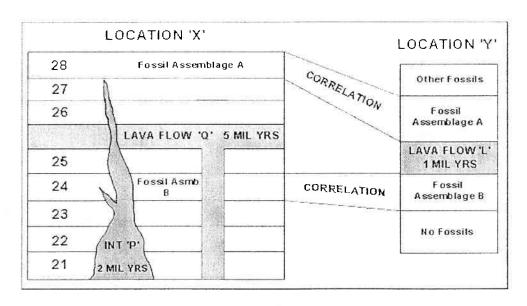


## RAJARATA UNIVERSITY OF SRI LANKA FACULTY OF APPLIED SCIENCES

## B.Sc. (General) Degree in Applied Sciences Third Year Semester II Examination – February / March 2019

## PHY 3105 – PHYSICAL GEOLOGY

			Time: O	ne (01) hour
Answ	er <b>TW</b> (	) quest	tions only.	
			-	
01.	(a)	(i)	What is "mass wasting" in Earth Science?	(05 marks)
		(ii)	Briefly explain the different types of mass wasting processes.	(20 marks)
	(b)	(i) Discuss the Primary (P) wave and Secondary (S) wave velocities the earth highlighting on the P wave shadow zone and S wave shadow zone		
				(15 marks)
	9	(ii) differ	What is Moho discontinuity which exhibits a large acousti rence in seismic waves?	c impedance (10 marks)
02.	(a)	List the relative age principles used in the determination of the relative age rock strata? Explain each of them in detail. (20 mark		
	(b)	Using "bracketing and correlation", determine the relative age of ro and 28 of the following diagram.		
				Contd



(c) Comment on the lava intrusion "P" in the diagram. (10 marks)

Write short notes on the following;

(a) Formation of the Himalaya mountain range	(12 marks)
(b) Zero – magnitude earthquakes.	(12 marks)
(c) San Andreas fault.	(12 marks)
(d) The theory of oscillating universe.	(14 marks)

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