UNIVERSITY OF COLOMBO - SRI LANKA

FACULTY OF ARTS

SPECIAL DEGREE EXAMINATION IN ARTS (GEOGRAPHY) - PART I

FIRST SEMESTER END EXAMINATION - 2018

GYG 2126 - ADVANCED GEOMORPHOLOGY

02 Hours

Answer three (03) questions only. 1. (a). What do you mean by the "Geological time scale"?.	(02 Marks) tory of the earth . (04 Marks)
	tory of the earth. (04 Marks) ace during the above
	(04 Marks) ace during the above
(b). Name the major Eras and periods of Geological his	_
(c). State briefly major outstanding events taken pl mentioned Eras and periods.	(00 11101110)
(d). Explain the necessity and the importance of aptimescale for studying the Geomorphology.	plying the Geological (08Marks)
2. (a). What is meant by "Tetrahedral Theory"?.	(03 Marks)
(b). On what reasons the "Tetrahedral Theory" differ Continental drift Theory.	from the Wegerner's (03 Marks)
(c). State the evidences used by Wegerner to prove theory.	his continental drift (06 Marks)
(d). Discuss to what extent the wegerner's theory of cothe present distribution of continents and Oceans	-
	(08 Marks)
3. (a). Name of the Lithospheric plates numbered in the world map given.	(04 Marks)

What are the differences of plates boundaries taken place due to the

(04 Marks)

Nature of the plate movements?

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(c).	State the forces caused to make plate movements.	(06 Marks)	
(d).	Discuss the major effects of plate movements to the ea	arth crust.	
		(06 Marks)	
(a).	Define "Natural River basin" .	(03 Marks)	
(b).	Draw a longitudinal profile depeeting three stages of river course.		
		(04 Marks)	
(c).	State prominent landforms and processes taken place	e in those stages of	
	river course.	(05 Marks)	
(d)	Examine the Variances of Chanel characteristics taken place in the		
	longitudinal profile of the river course from upper reaches to the mouth		
÷		(08 Marks)	
		·	
(a).	Define "Arid zone" .	(03 Marks)	
(b).	Examine the action of water as an agent of denudation	n in Avid zone.	
		(05 Marks)	
(c).	State landforms developed by water in the Arid zone	(06 Marks)	
(A)	Errolain with diament the form of		
(d)	Explain with diagrams the formative process of selecte		
	from the above.	(06 Marks)	
(a).	Describe the "Glaciation process".	(03 Marks)	
(b).	Classify the Glaciers based on the regions of their origin .		
		(05 Marks)	
(c).	Name the erosional and depositional landforms cre	ated by the Valley	
	glaciers.	(06 Marks)	

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(d)

formative processes with appropriate illustrations.

Selecting any **two** Glacial landforms mentioned above and explain their

(06 Marks)

(06 Marks)

World map for the Question No. 3 (a)

