UNIVERSITY OF COLOMBO – SRI LANKA

FACULTY OF ARTS

SPECIAL DEGREE EXAMINATION IN ARTS (GEOGRAPHY) - PART-II SECOND SEMESTER END EXAMINATION - 2018/2019

GYG 3253 - Biogeography

Two hours		
Answer three (03) questions only.	.	
01. i). Briefly define Biogeography	(04 Marks)	
ii). Explain how biogeography addresses the combination of organism and space, using examples.		
iii). Discuss the different methods and approaches applied in biogeographical using examples.	(06 Marks) research	
using examples.	(10 Marks)	
•		
02. i). Briefly explain the characteristics of life.	(04 Marks)	
ii). Explain the early ideas and theories of the origin of life with examples.	(06 Marks)	
iii). Discuss how different theories and ideas on the origin of life, help in high	lighting the	
main characteristics of a life, with appropriate examples.	(10 Marks)	
03. i). Briefly explain what evolution of life is.	(M Marks)	
	(04 Marks)	
 Explain the criticisms on "Lamarck's theory" (1744-1829) on evolution of examples. 		
	(06 Marks)	
iii). "Biogeography provides positive evidences for Darwin's theory (1809-18 evolution". Critically discuss this statement using appropriate examples.	82) on (10 Marks)	
	THUNDSPECT	

04.	i). Briefly explain the components, processes and interactions of an aquatic ec	osystem. (04 Marks)	
	ii). Explain how the energy flows through an aquatic ecosystem using a diagravalues.	ım and	
	······································	(06 Marks)	
	iii). Discuss how the relationships of components of ecosystems improve temp through the ecological succession using examples from aquatic succession	•	
05.	05. i). Explain briefly how does Carolus Linnaeus (1707-1778) formally classify and name the organisms based on their genus and species.		
		(04 Marks)	
	 ii). Explain the following characteristics of R.H.Whittaker (1920-1980) five k classification using examples. a) development of the body of organisms b) behavioral patterns of organisms c) evolution of organisms 	ingdom	
	cy evolution of organisms	(06 Marks)	
iii). Discuss the adaptation abilities of species for different geographical environments using examples from life kingdom.			
		(10 Marks)	
		r	
06	06. i). Briefly explain the differences between soil profile, horizons, pedan and series using diagrams.		
		(04 Marks)	
	ii). Explain the properties of soils using examples.	(06 Marks)	
	iii). Discuss the importance of studying soil properties in biogeographical studies using		
	appropriate examples.	(10 Marks)	
		•	

• • • • • •