

University of Colombo
Faculty of Arts
Special Degree/Study Stream Examination in Arts (Geography) – Part I
First Semester Final Examination – 2019
GYG 2133- Physical Environment of Sri Lanka

Time: Two (02) hours

Answer any **three (03)** questions only.

- 01) i. Name two scholars who have developed ideas about the formation of Sri Lanka landscape. (02 Marks)
- ii. Briefly explain an idea developed by one of the scholars you have mentioned in 01.i. regarding the formation of Sri Lanka landscape. (04 Marks)
- iii. Discuss briefly the evidence given to prove above idea. (06 Marks)
- iv. "Ideas about the formation of Sri Lankan landscape are challenged and evolving". Discuss this statement. (08 Marks)
- (Total 20 Marks)
- 02) i. Name two major denudational agents acting upon the Sri Lankan landscape. (02 Marks)
- ii. Briefly explain the erosional process in one of the agents you have mentioned in 02.i. (04 Marks)
- iii. Discuss briefly the characteristics of denudational landforms in Sri Lanka landscape created by the denudational agent mentioned in 02.ii. (06 Marks)
- iv. "Deformation of the landscapes always depends on the denudation" Critically evaluate the statement. (08 Marks)
- (Total 20 Marks)
- 03) i. What are the planetary factors that determine weather and climate in Sri Lanka? (02 Marks)
- ii. Select one of the above mentioned factors and describe its influence to weather and climate in Sri Lanka. (04 Marks)
- iii. Briefly explain how the Inter-Tropical Convergence Zone (ITCZ) influences the rainfall pattern in Sri Lanka. (06 Marks)

iv. "Not only the regional factors but also local factors significantly affect the weather and climate in Sri Lanka." Briefly discuss this idea with specific examples.

(08 Marks)

(Total 20 Marks)

04) i. What is meant by "Water Resource Management"?

(02 Marks)

ii. State environmental factors that affect the water resources management.

(04 Marks)

iii. Explain the major elements of a Tank Cascade System in Sri Lanka with a suitable diagram.

(06 Marks)

iv. Examine the environmental impacts associated with Multi-Purpose Development Projects in Sri Lanka.

(08 Marks)

(Total 20 Marks)

05) i. Name four (04) mineral resources found in Sri Lanka.

(02 Marks)

ii. Briefly describe the spatial distribution of the above mentioned mineral resources in Sri Lanka.

(04 Marks)

iii. Explore the nature of specialty of mineral resources in Sri Lanka using examples.

(06 Marks)

iv. Discuss the environmental impacts associated with mining of minerals in Sri Lanka using specific examples.

(08 Marks)

(Total 20 Marks)

06) i. Name four (04) Invasive Alien Species distributed in wetland ecosystems in Sri Lanka.

(02 Marks)

ii. State characteristics of Invasive Alien Species identified in Sri Lanka.

(04 Marks)

iii. Select one of the above mentioned species in 6.i. and briefly discuss the impact of the invasiveness with examples.

(06 Marks)

iv. Examine the measures that have been taken to control the impact of invasiveness.

(08 Marks)

(Total 20 Marks)
