



UNIVERSITY OF PERADENIYA



CENTRE FOR DISTANCE AND CONTINUING EDUCATION

GENERAL DEGREE EXAMINATION IN ARTS- (EXTERNAL- Old syllabus) – 2019

Geography -1 / Physical Geography (GG – 1)

Instructions: Total number of questions in this paper is eight (08). Answer four (04) questions selecting two (02) from each part. Marks will be deducted for illegible handwriting.

Time: Three Hours

Part -1 Contemporary Problems in Geomorphology

- (01) (i) With suitable illustrations, explain the main characteristics of the Earth's interior. (10 marks)
- (ii) Discuss the impacts of Lithospheric process on human activities. (15 marks)
- (02) (i) Briefly explain Alfred Wagener's Continental Drift Hypothesis. (10 marks)
- (ii) Discuss main evidences to prove the Continental Drift. (15 marks)
- (03) Examine the correlations between Monsoonal rain pattern and flood hazards in Sri Lanka with suitable examples (25 marks)
- (04) Write concise notes on **two** of the followings:
- (i) Depositional landforms of a river. (12.5 marks)
- (ii) Physical factors causing landslides (12.5 marks)
- (iii) The Davisian Cycle of erosion. (12.5 marks)
- (iv) Coastal erosion in the Western part of Sri Lanka (12.5 marks)

Part -II Contemporary Problems in Climatology

- (05) With suitable illustrations, discuss the characteristics and importance of troposphere and explain its role in surface climate (25 marks)
- (06) (i) Explain the sub categories given for the Tropical climate in Koppen's classification. (10 marks)
- (ii) Discuss the importance of the Koppen's climatic classification to understand the global climate (15 marks)
- (07) (i) Discuss the impacts of climate change on tropical agriculture. (10 marks)
- (ii) Explain the mitigation measures adapted in agriculture to minimize the impacts of the climate change (15 marks)
- (08) Write concise notes on **two** of the followings
- (i) Role of monsoonal rain in the climate of Sri Lanka. (12.5 marks)
- (ii) General Circulation Model atmosphere (12.5 marks)
- (iii) Energy budget. (12.5 marks)
- (iv) Tropical disturbances and extreme weather conditions. (12.5 marks)

