



UNIVERSITY OF PERADENIYA

CENTER FOR DISTANCE AND CONTINUING EDUCATION

Physical Geography (GGYE 102) First Examination in Arts (External) 2018

Instruction: Answer **four (04)** questions including question number **one (01)**. Marks will be deducted for illegible handwriting

Time: Three Hours

-
- (01) (i) Define the discipline 'Geography' and outline the sub divisions of Geography. (06 Marks)
- (ii) Briefly discuss the scope of Physical Geography. (07 Marks)
- (iii) Explain the inter-relations among hydrosphere, biosphere, lithosphere and atmosphere with suitable illustrations. (12 Marks)
- (02) (i) Discuss the composition and structure of the Earth. (05 Marks)
- (ii) Compare and contrast oceanic crust and continental crust with illustrations. (08 Marks)
- (iii) List the major discontinuities inside the Earth and explain the characteristics of the core of the Earth. (12 Marks)
- (03) (i) How important is the Earth's atmosphere? (05 Marks)
- (ii) Outline the layers of the atmosphere and explain the role of troposphere. (10 Marks)
- (iii) Describe how human activities cause air pollution. (10 Marks)
- (04) (i) Define the term 'Ecosystem'. (05 Marks)
- (ii) List out major characteristics of the tropical rain forest ecosystem. (08 Marks)
- (iii) Discuss the human influences on wetland ecosystems in Sri Lanka. (12 Marks)

- (05) (i) What is meant by 'Climate Change'? (05 Marks)
- (ii) State major factors that cause climate change. (08 Marks)
- (iii) Explain the major consequences and the mitigation measures to minimize the impacts of climate change. (12 Marks)
- (06) (i) Illustrate the Water Cycle explaining all major processes. (05 Marks)
- (ii) Briefly describe the relationship between Global forest cover and water cycle. (10 Marks)
- (iii) Discuss how humans effect on the water cycle (10 Marks)
- (07) Write concise notes on **Two** of the followings. (25 Marks)
- (i) Alfred Wegener's Continental Drift Hypothesis.
- (ii) The role of decomposers in Soil.
- (iii) Flood disasters in Sri Lanka.
- (iv) Depositional landforms in the arid regions.