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பேராதனைப் பல்கலைக் கழகம்
UNIVERSITY OF PERADENIYA

දුරස්ථ හා අඛණ්ඩ අධ්‍යාපන කේන්ද්‍රය
தொடர் தொலைக் கல்வி நிலையம்
CENTRE FOR DISTANCE AND CONTINUING EDUCATION
Bachelor of Arts (External - New Syllabus) Examination 200 Level- 2022
(held in May, 2023)

GGYE 202 -ADVANCED PHYSICAL GEOGRAPHY

Instructions:

Time: **Three (03) Hours.**

Marks will be deducted for illegible handwriting.

Answer **four (04)** questions including the **first (01)** question.

There are eight (08) questions in this question paper.

An outline map of the world is provided.

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- (01) **Either**
"Physical geography is the study of the processes and patterns in the natural environment". Explain with suitable examples and illustrations. **(25 marks)**
- Or**
Explain the term '**Geomorphology**' and identify its major endogenic and exogenic processes. **(25 marks)**
- (02) (a) Explain the major factors that influence on soil formation. **(10 marks)**
- (b) With a help of an illustration explain how climate influence on soil formation, focusing on different world climatic regions. **(15 marks)**
- (03) Explain '**climate change**', specially focusing on the following sub-topics. **(25 marks)**
- (i). Evidences of climate change.
(ii). Human causes of climate change.
(iii). Consequences of climate change.
(iv). Climate change mitigation measures.
- (04) Briefly explain the major fluvial (river) processes and with suitable illustrations describe the different fluvial (river) landforms that develop in different stages of a river. **(25 marks)**

- (05) With suitable illustrations, identify five (05) erosional coastal landforms and explain how these landforms are formed. (25 marks)
- (06) (a) What are the causes behind the increased landslides in the Central highland of Sri Lanka? (10 marks)
- (b) What strategies can be adopted for sustainable landslide management in the Central highland? (15 marks)
- (07) (a) Define the term 'Biodiversity'. (05 marks)
- (b) Explain the causes and consequences of biodiversity degradation in Sri Lanka. (20 marks)
- (08) Write concise notes on any two (02) of the followings: (12.5 X 2 marks)
- (i). Chemical weathering.
 - (ii). Desertification in Africa.
 - (iii). In-situ and Ex-situ conservation.
 - (iv). Human impact on the Nitrogen cycle.
 - (v). Ground water degradation in Sri Lanka.