



UNIVERSITY OF PERADENIYA

CENTRE FOR DISTANCE AND CONTINUING EDUCATION



FIRST YEAR (100 LEVEL) EXAMINATION IN BACHELOR OF ARTS
(EXTERNAL-NEW SYLLABUS) - APRIL 2017

PHYSICAL GEOGRAPHY (GGYE 102)

The total number of questions in this paper is 08

Answer any 04 questions.

Time allowed: Three (03) hours

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| 01. | a. | Explain the scope of the physical geography. | Marks 10 |
| | b. | Discuss how physical geography knowledge contributes for understanding human environmental relationship | Marks 15 |
| 02. | a. | With suitable illustrations, demonstrate the internal structure of the earth. | Marks 10 |
| | b. | Discuss the importance of lithosphere, atmosphere and hydrosphere for existence of the biosphere. | Marks 15 |
| 03. | a. | Explain the theory of continental drift with suitable illustrations. | Marks 15 |
| | b. | Explain why Alfred Wegener's theory of continental drift (1912) was argued by other prominent scientists. | Marks 10 |
| 04. | | Describe the landforms created by wind erosion and deposition in desert areas, referring to processes of formation. Support your answers with labeled diagrams. | Marks 25 |
| 05. | a. | Define the atmosphere and briefly discuss its composition. | Marks 10 |
| | b. | Explain main features of the atmospheric layers and importance of the atmosphere for man. | Marks 15 |
| 06. | a. | Explain how weather and climate effect on man and his environment. | Marks 10 |
| | b. | Discuss why the air temperature decreases with elevation. | Marks 10 |
| | c. | Explain why atmospheric pressure decreases with elevation. | Marks 05 |
| 07. | a. | Explain how the climate seasons change in Northern and Southern Hemispheres. | Marks 10 |
| | b. | “The storage and movement of water on earth are illustrated by water cycle”. Explain this statement with a suitable diagram. | Marks 15 |
| 08. | a. | Draw the General Circulation Model (GCM) and explain the importance of the Inter Tropical Convergence Zone (ITCZ). | Marks 15 |
| | b. | Discuss the main characteristics of Tropical climates (A) of the Koppen’s climate classification. | Marks 10 |