

UNIVERSITY OF COLOMBO – SRI LANKA

FACULTY OF ARTS

SPECIAL DEGREE EXAMINATION IN ARTS (GEOGRAPHY) – PART I

FIRST SEMESTER END EXAMINATION – 2017

GYG 2126 – ADVANCED GEOMORPHOLOGY

02 Hours

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

1. "Use of Scientific Method is an appropriate approach to solve some problems in the Geomorphology. Do you agree with this statement? Give reasons for your answer.

(20 Marks)

2. (a). Name the Major Eras identified according to Geological history of earth crust.

(05 Marks)

- (b). Selecting one Geological Era and explain the outstanding Geological events taken place in the subdivision of it.

(15 Marks)

3. (a). Examine the nature of the movements taken place at the Geological plate boundaries

10 Marks)

- (b). Discuss the main effects of those movements to the earth crust.

(10 Marks)

4. (a). State the different types of chemical weathering processes .
(05 Marks)
- (b). Discuss the main environmental factors determine the intensity of chemical weathering..
(15 Marks)
5. (a). What are the main variables determining changes in river slope and channel form along the long profile of a river valley.
(10 Marks)
- (b). Explain the variations of these variables in river channel from upper reaches to the month
(10 Marks)
6. (a). State the erosional Landforms created by continental Glaciers.
(10 Marks)
- (b). Select **four** of those erosional Landforms and explain the formative process of those landforms.
(10 Marks)
