

**Ph.D. (GEOLOGY)  
(PHDGY)**

00054

**Term-End Examination**

**December, 2016**

**RGYE-007 : BASIC CONCEPTS AND ADVANCES  
IN GEOMORPHOLOGY**

*Time : 2 hours*

*Maximum Marks : 50*

**Note :**

- (i) Answer any **five** questions.
- (ii) Each question carries equal marks.
- (iii) Give diagrams wherever required.

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1. Define rock weathering and briefly discuss the factors of soil formation. 10
  2. Write an essay on the erosional landforms developed by the fluvial action with suitable examples. 10
  3. Write an essay on the applications of geomorphology in the field of environmental management. Give examples wherever required. 10

4. Elaborate on the depositional landforms developed due to the aeolian action. 10
5. Describe any five landform characteristics of karst region. 10
6. Give an account of coastal processes and discuss any five landforms with suitable examples. 10
7. Write short notes on any **two** of the following :  $2 \times 5 = 10$
- (a) Soil Profile
  - (b) Types of River Terrace
  - (c) Classification of Glaciers
  - (d) Mechanical Weathering
8. Write short notes on any **two** of the following :  $2 \times 5 = 10$
- (a) Morphology of Delta
  - (b) Geological Factors Affecting Slope Stability
  - (c) Fluvial Channel Geometry
  - (d) Types of Indian Coasts
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