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RGYE-114

Ph. D. GEOLOGY (PHDGY)

Term-End Examination

December, 2019

RGYE-114 : ENVIRONMENTAL GEOLOGY

Time : 3 Hours

Maximum Marks : 100

*Note : Answer any five questions. All questions
carry equal marks.*

1. What are the recent developments in understanding the domains of environment in relation to the Earth System ? 20
2. Write an essay on the development of fluvial landforms with neat diagrams. 20
3. Describe the soil profile with a neat diagram.
Add a note on the origin of soils. 20

4. How are landslides caused ? What are the techniques used in identification of landslide prone areas ? 20
5. Explain the term desertification. Add a note on the signs of desertification in the Himalaya with suitable examples. 20
6. Discuss the application of Hydrogen isotopes in environmental interpretations. Provide suitable examples. 20
7. Write short notes on any *two* of the following :

2 × 10 = 20

- (a) Environmental pollution
- (b) Impact of urbanization on groundwater
- (c) Environmental management in mining
- (d) Volcanic hazards

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8. Write short notes on any *two* of the following :

$2 \times 10 = 20$

- (a) Arsenic pollution of groundwater
- (b) Coastal erosion
- (c) Causes of drought
- (d) Seismic hazards