

No. of Printed Pages : 2

**RGYE-114**

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

**Term-End Examination**

**June, 2023**

**RGYE-114 : ENVIRONMENTAL GEOLOGY**

*Time : 3 Hours*

*Maximum Marks : 100*

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**Note :** (i) *Answer any **five** questions.*

(ii) *All questions carry equal marks.*

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1. What are the causes and types of landslides ?  
Add a note on prediction and mitigation.      20
2. What do you understand by global warming ?  
Discuss impact of global warming on the biotic  
and abiotic components.      20
3. "Himalayan land is prone to earthquakes."  
Explain with suitable examples.      20
4. What is the role of surface processes in the  
development of landforms ?      20

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5. What is the role of stable isotopes in groundwater studies ? 20
6. What do you mean by floods ? Discuss the causes of floods and flood hazards in India. 20
7. Write short notes on any *two* of the following :  
10 each
- (a) Industrial waste management
  - (b) Joshimath tragedy
  - (c) Soil profile
  - (d) Desertification
8. Write short notes on any *two* of the following :  
10 each
- (a) Application of remote sensing and GIS in environmental management
  - (b) Arsenic contamination of groundwater in India
  - (c) Environmental Protection Laws
  - (d) Disaster management