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**RGYE-114**

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

**Term-End Examination**

**June, 2022**

**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 is global warming ? How is global warming related to the spread of certain diseases ? 20
2. Elaborate the impacts of mining on the environment. 20
3. What is coastal erosion ? Describe its causes and mitigation measures. 20
4. Define porosity and permeability. Elaborate their importance to groundwater availability and extraction. 20

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5. What are the causes of flood ? Briefly describe the management strategies adopted for flood control. 20
6. Explain the environmental impact of water impoundment. 20
7. Write short notes on any *two* of the following : 10 each
- (a) Soil pollution
  - (b) Saline water intrusion
  - (c) Landslide
  - (d) Volcanic hazard
8. Write short notes on any *two* of the following : 10 each
- (a) Desertification
  - (b) Aquiclude
  - (c) Arsenic in groundwater
  - (d) Solid waste management