Roll No. .....

## Subject Code—2097

### P. G. Diploma EXAMINATION

# ENVIRONMENTAL MANAGEMENT

### PGDEM-05

Energy and Disaster Management

Time: 3 Hours Maximum Marks: 100

**Note**: Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

#### Unit I

- (a) Give an account of energy scenario in India.
  - (b) Where are the major fossil reserves of India located? Enumerate the environmental impacts of petroleum production.

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2.	Define the following terms: 2×10	(c) Write short notes on any two of the
	(a) CNG	following: 2×5
	(b) LPG	(i) Energy Plantation
	(c) Calorific Value	(ii) Anaerobic Digestion
	(d) Diesel Fuel	(iii) Hydrogen as a fuel.
	(e) Ethane	Unit III
	(f) Benzene	5. Define Solar Energy. What types of collectors
	(g) Crude Oil	are used to entrap solar energy? Write different
	(h) Fossil Fuel	application of solar energy. 20
	(i) Octane Number	6. Write short notes on any four of the
	(j) Cetane Number.	following: 20
	Lister Inner Constitution of the State of th	(a) Solar Cooker
	Unit II	(b) Energy Conservation
3.	What is Biogas? Name the various models of	(c) Solar Desalinization
	biogas plants and describe any two of them. 20	(d) Solar Water Pump
4.	(a) Define Renewable energy. What are its	(e) Solar Pond.
	sources ?	Unit IV
	(b) What are the main applications of	7. (a) Define Earthquakes. What are the causes
	geothermal energy ? 5	of earthquakes?
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(b) Define Landslides. What are the reasons of Landslides. How can it be prevented?

- 8. Write short notes on any two of the following:
  - (a) Technological Hazard
  - (b) Flood Hazard
  - (c) Storm and Cyclone Hazard
  - (d) Natural Hazard. 2×10

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