

Roll No.

Exam Code : J-19

Subject Code—0665

P.G.D.E.M. EXAMINATION

(Batch 2011 Onwards)

ENERGY AND DISASTER MANAGEMENT

PGDEM-05

Time : 3 Hours

Maximum Marks : 70

Section A

Note : Attempt any *Seven* questions. **7×5=35**

1. What do you mean by fossile fuels ? Write down their examples.
2. Write a note on tidal energy.
3. Differentiate between renewable and non-renewable sources of energy by giving examples.

(3-102-11-0119)J-0665

P.T.O.

4. What is a Solar Pond ?
5. Write down different types of solar energy collectors.
6. Write down the effect of use of petroleum on the environment.
7. Write down the Dimensions of a natural hazard.
8. Write a note on droughts.
9. What is Solar Desalination ?
10. Write down the present energy scenario in India.

Section B

Note : Attempt all the questions.

11. What do you mean by a hazard ? Write down different types of hazards. Explain Earthquakes and Volcanoes in detail.

Or

How biomass is converted into energy ? Write down the potential of biogas in India. **12**

12. Write notes on the following :

- (a) Hydel power energy/demand and supply of commercial energy resources.
- (b) Improved Chullah program/Potential of hydrogen as a fuel. **6×2**

Or

Write notes on the following :

- (a) Solar Cookers
- (b) Energy Plantation.

13. What do you mean by a photovoltaic cell ? Write down its structure and principle. Explain the applications of solar energy in India.

Or

Which strategies are used for conservation/management of energy in India ? Explain. **11**