

**POST GRADUATE DIPLOMA IN
ENVIRONMENT AND SUSTAINABLE
DEVELOPMENT (PGDESD)**

Term-End Examination

December, 2016

MED-003/MED-009 : ENERGY AND ENVIRONMENT

Time : 2 hours

Maximum Marks : 50

Note : *Question no. 1 is compulsory. Attempt any three questions from the remaining questions no. 2 to 5. Support your answers with suitable evidence wherever needed.*

1. Attempt *all* parts :

- (a) Describe technological measures to reduce transport energy demand. 5
- (b) Discuss the process of energy planning in developing countries. 5
- (c) Evaluate the potential of small hydropower plants in India. 5
- (d) What are the solar devices for thermal applications ? Discuss any one of them. 5

2. (a) Discuss the key concerns for a sustainable energy policy in India. 5
- (b) Explain the concerns of environmental economics. 5
3. (a) Describe the potential and advantages of biomass resources. 5
- (b) Describe the use of waste products as an energy resource. 5
4. Discuss how energy production and its use affects climatic change. 10

OR

Discuss social control in improving energy efficiency. 10

5. Write short notes on any *two* of the following : $2 \times 5 = 10$
- (a) Nuclear Hazards
- (b) Energy and Sustainable Development
- (c) Carbon Sequestration
- (d) Biogas Plants
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