

No. of Printed Pages : 3 **MED-003/MED-009**

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

Term-End Examination

December, 2020

MED-003/MED-009 : ENERGY AND ENVIRONMENT

Time : 2 Hours

Maximum Marks : 50

***Note :** Question No. 1 is compulsory. Attempt any **three** questions from question nos. 2 to 5. Support your answer with suitable examples wherever necessary.*

1. Attempt all parts :
 - (a) Discuss the concept of harnessing the sun's light as clean energy. 5
 - (b) Discuss deforestation in relation to hydrological cycle. 5

- (c) Explain the harmful impacts of wind energy technologies that are in use today. 5
- (d) Discuss how energy sector is affecting the environment and global climate at large. 5
2. (a) Discuss the energy policies adopted in the SAARC region. 5
- (b) Describe briefly the aims and benefits of energy planning. 5
3. (a) Explain in brief the energy in relation to sustainability. 5
- (b) Discuss the energy policy vis-a-vis environment and development. 5
4. Discuss the economics of demand and supply of energy. 10

Or

Explain the problem of energy in eliminating the obscene levels of poverty without further polluting the planet.

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5. Write short notes on any *two* of the following : 2×5=10

- (a) Devices of solar thermal applications
- (b) Biological processing to derive energy from biomass
- (c) Wind energy
- (d) Waste as an energy resource