

PGDESD - 03

December - Examination 2015

PGDESD Examination**Energy and Environment****Paper - PGDESD - 03****Time : 3 Hours]****[Max. Marks :- 100**

Note: The question paper is divided into three sections A, B and C. Write answer as per the given instruction.

Section - A

10 x 2 = 20

(Very short answer type Questions)

Note: Answer all questions. As per the nature of the question delimit your answer in one word, one sentence or maximum up to 30 words. Each question carries 2 marks.

- 1) (i) Define social carrying capacity?
- (ii) Define hydropower?
- (iii) What is radioactive waste?
- (iv) What is transport planning?
- (v) What are the benefits of DSM?
- (vi) Make a note energy services?
- (vii) Define nuclear energy?

- (viii) What is solar desalination?
- (ix) Define biomass?
- (x) What is carbon sequestration?

Section - B
(Short answer Questions)

4 x 10 = 40

Note: Answer any four questions. Each answer should not exceed 200 words. Each question carries 10 marks.

- 2) Make a note on geothermal energy?
- 3) Mention the products extracted from crude oil?
- 4) Explain urban energy planning?
- 5) Discuss the solar energy generation in India?
- 6) What are the imperatives of good governance for the energy sector?
- 7) Explain the relationship between poverty and environment?
- 8) Discuss the structure of solar cookers?
- 9) Make a note on waste as an energy resource?

Section - C
(Long answer Questions)

2 x 20 = 40

Note: Answer any two questions. You have to delimit your each answer maximum 500 words. Each question carries 20 marks.

- 10) Analyze the impact of liberalization and privatization of the energy sector on the people of the developing countries?
 - 11) What is energy planning? Discuss its relevance for developing countries?
 - 12) Discuss how energy efficiency can be improved in the transport sector?
 - 13) Discuss the advantages and limitations of wind energy technology?
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