

Register Number.....

M.E. DEGREE EXAMINATIONS: NOVEMBER 2009

Third Semester

ENERGY ENGINEERING

P07ENE10 Clean Development Mechanism

Time: Three Hours

Maximum Marks: 100

Answer ALL Questions

PART A (10 x 2 = 20 Marks)

1. What do you mean by 'Global Warming'?
2. Name some aerosols responsible for climate change?
3. What is the main difference between Convention and Protocol on climate change?
4. What are the functions on IPCC?
5. Name the green house gases accounted in Kyoto Protocol.
6. What do you mean by Emissions trading?
7. State the advantages of CDM for developing countries.
8. Define Baseline study.
9. What do you mean by Designated Operational Entity?
10. Name some organizations that offer certification program on CDM.

PART B (5 x 16 = 80 Marks)

11. a. Explain in detail about the world energy scenario? (16)
(OR)
- b. (i) Explain the factors contributing to global warming? (8)
(ii) Explain the impacts of global warming? (8)
12. a. Explain the important aspects discussed in United Nations Framework convention on climate change? (16)
(OR)
- b. Explain the mitigation of climate change in detail? (16)
13. a. Write short notes on
(i) Joint Implementation
(ii) GHG emissions in Kyoto Protocol (16)

(OR)

b. Based on Kyoto Protocol categorize the sources of emission of GHG with proper explanation? (16)

14. a. Explain the reforms needed in clean development mechanism? (16)

(OR)

b. Explain the steps involved in a CDM project with suitable case study? (16)

15. a. What are the recent advancements in CDM certification program and explain the necessity for certification in detail? (16)

(OR)

b. Discuss the policy and implications related to CDM. (16)
