

Register Number.....

**M.E., DEGREE EXAMINATIONS: NOV/DEC 2012**

Third Semester

**ENERGY ENGINEERING**

EEG554: Clean Development Mechanism

**Time: Three Hours**

**Maximum Marks: 100**

**Answer All Questions:-**

**PART A (10 x 2 = 20 Marks)**

1. Define Global warming potential.
2. List the sources of Green house gases.
3. What is the Kyoto Protocol?
4. Write the Kyoto protocols three flexibility mechanism.
5. What is a Baseline?
6. How do developing countries benefit from CDM?
7. What makes a project eligible for CDM?
8. Write the effects of aerosols on climate.
9. What is a CER?
10. List the countries participate in clean development mechanism.

**PART B (5 x 16 = 80 Marks)**

11. a) List the factors contributing to global warming and explain.

**(OR)**

- b) How do we know the Earth's climate is warming?

12. a) Explain the Kyoto Protocol, what does it really say?

**(OR)**

b) Why is it necessary to move towards the 'ultimate objective' of the Framework Convention on Climate Change?

13. a) Discuss ERU, CER, AAU and RMU in detail

**(OR)**

b) Explain the eligibility requirements for Emission trading, Clean development mechanism and Joint implementation.

14. a) Explain what is meant by green and red industries. List and discuss the types of green and red industries.

**(OR)**

b) Discuss the methodologies used for baseline study and explain the boundary conditions with a case study

15. a) Discuss the emission and energy scenario of the wind power generation

**(OR)**

b) List the certification program for clean development mechanism and explain any one of them.

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