

CERTIFICATE PROGRAMME EXAMINATIONS- DECEMBER 2023

ENERGY AND CLIMATE CHANGE

Time: 3 Hours

Maximum Marks:75

PART- A

(5 x 5 = 25)

Answer any Five Questions.

1. Explain energy consumption pattern.
2. Explain the mechanism Green house gas emission.
3. What is energy conservation? explain
4. What is meant by combustion? explain
5. Explain Methodology for CO₂ assessment.
6. Explain the concept of carbon credit
7. Explain the global warming
8. Explain carbon free cars

PART - B

(5 x 10 = 50)

Answer any Five Questions.

1. What are the social and economical implication of energy uses? explain.
2. Explain International concern on Climate change and mitigation efforts
3. Explain different resources used for energy conversion in relation to CO₂ emission.
4. Explain Role of technology up-gradation and alternative resources on reduction of CO₂ emission.
5. Explain the estimation of emission of CO₂ from fossil fuel combustion.
6. Explain national policies vis-à-vis international market scenario of carbon credit.
7. Explain the fundamental concept on combustion
8. Theory and proof of climate change