

CP – 526

CPCC – 01

**CERTIFICATE PROGRAM EXAMINATION
JUNE 2019.**

ENERGY AND ENVIRONMENT

Time : 3 hours

Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE out of EIGHT.

1. Write briefly about per capita energy consumption.
2. Give a note on solar and wind: power generation.
3. Compare energy ladder with energy supply.
4. Discuss the environmental impacts of energy systems.
5. Write a short note on Greenhouse Gas emission.
6. Write shortly about energy units and scales.
7. Describe shortly the energy conservation in transport.
8. Give in detail about conventional and renewable energy sources.

PART B — (5 × 10 = 50 marks)

Answer any FIVE of out EIGHT .

9. Explain in detail about energy linkage with livelihood and development process.
10. Describe about the various types of biomass stoves.
11. Discuss the conflicts between fuel and food energy.
12. Explain the causes of Global, Regional and local climate change.
13. Describe about the clean development mechanism.
14. Explain the interaction of energy technologies with the environment.
15. Discuss the power generation from different energy sources.
16. Describe in detail about energy and economy.

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CPCC – 02

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ENERGY AND CLIMATE CHANGE

Time : 3 hours

Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE out of EIGHT.

1. Write briefly about equity and disparity.
2. Write a note on Greenhouse gases emission.
3. Mention about the role of technology upgradation on reduction on CO₂ emission.
4. Give the case example of CO₂ emission in agricultural sector.
5. What is meant by Carbon credit? and Give some examples for it.
6. Give a note on energy consumption pattern.
7. Explain the fundamental concept on combustion.
8. Write briefly about Carbon Credit national policies.

PART B — (5 × 10 = 50 marks)

Answer any FIVE out of EIGHT.

9. Explain in detail about an overview of energy sources and technologies.
10. Discuss about International concern on climate change and mitigation efforts.
11. Describe comparison of different technologies and different resources used for energy conversion in relation to CO₂ emission.
12. Write short note on
 - (a) Fuel to energy conversion
 - (b) Carbon foot print
13. Describe the current efforts and future prospect of Carbon trading mechanism.
14. Explain the theory of global climate change.
15. Describe some case examples for industrial and transport sector.
16. Discuss about social and economic implications of energy uses.