

Total No. of printed pages = 3

PG/1st Sem/PGET 102

2021

ENERGY AND ENVIRONMENT

Full Marks – 100

Time – Three hours

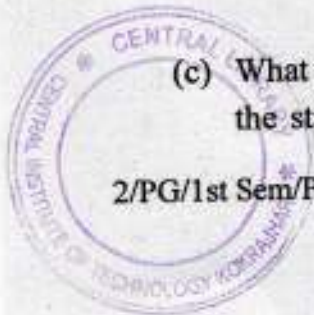
The figures in the margin indicate full marks
for the questions.

Answer any *five* questions.

1. (a) Define the following terms with three examples for each : 3×3=9
 - (i) Primary and Secondary Energy.
 - (ii) Commercial and Non-commercial Energy.
 - (iii) Renewable and Non-renewable Energy.
- (b) Name the five states in India, where coal production is concentrated. 3
- (c) Explain the primary energy demand in India by fuel with sectorwise comparison. 8

[Turn over

2. (a) Differentiate between energy conservation and energy efficiency. 5
- (b) List the strategies for better energy security of the nation. 6
- (c) How do an Industry, nation and globe would benefit from energy efficiency programs ? 6
- (d) What do you think of strategies required for long-term management of energy in India ? 3
3. (a) What are the implications of global warming ? 6
- (b) Describe the Greenhouse effect. 6
- (c) Explain impacts of climatic change on earth ? 8
4. (a) Define environment. 2
- (b) Discuss briefly the structure of atmosphere. 8
- (c) What is an ecosystem ? Discuss briefly about the structure / components of ecosystem. 10



5. (a) Elaborate the causes, effects and control measures of : $6 \times 2 = 12$

(i) Soil Pollution

(ii) Noise Pollution.

(b) Explain the sources of Air Pollution. 8

6. Write short notes on : $5 \times 4 = 20$

(i) UNFCCC

(ii) Kyoto Protocol

(iii) Acid Rain

(iv) Role of an individuals in prevention of pollutions.

