

Lesson 5: Towards Green Energy

(2 and 3 marks questions)

Q. 1) Answer the following questions

- 1) What is used as a fuel to generate thermoelectric power? Write the problems arising out of thermoelectric power generation
- 2) What do you understand by green energy? Can any energy source be called as a green energy source? Why? Give examples of green energy.
- 3) How can we generate the necessary amount of power from solar panels?

Q. 2) Give reasons for the following

- 1) In an atomic energy power plant, it is absolutely important to keep the process of atomic fission in control
- 2) Hydro-power energy, Solar energy and wind energy are called renewable sources of energy
- 3) The structure of a turbine varies with the type of energy being generated.

Q. 3) Write short notes

- 1) Power generation and environment

Q. 4) Explain the following

- 1) Fossil fuels cannot be considered as an example of green energy
- 2) Saving energy is the need of the hour

Q. 5) State the differences

1) Conventional and non-conventional source of energy

Q.6) Match the following by understanding the relationship between the elements mentioned in the three columns

I	II	III
Coal	Potential energy	Wind power station
Uranium	Kinetic energy	Hydro-electric power station
Water reserve	Atomic energy	Thermoelectric power station
Wind	Heat energy	Atomic energy power station