



- Que. 2 (a) Write the sequence of energy transformation taking place in the following: (6)
- i) Nuclear power plant, ii) Hydro Power plant, and iii) Geo-thermal power plant (6)
- (b) Write the working of a hydro power plant with a neat sketch. What are the advantages and disadvantages of using energy from water? (6)
- Que. 3 (a) Why most of the thermal power plants are set near coal mines or oil reservoirs? Explain the cooling water circuit in a thermal power plant. (6)
- (b) What is a solar cell? What are its uses? What factors make a solar cell very expensive? (6)
- Que. 4 (a) What is OTEC? How is electricity generated from ocean thermal energy plant? Draw a neat sketch. (6)
- (b) What is nuclear chain reaction? Explain. What is the major hazard of nuclear power generation? (6)
- Que. 5 (a) Write a note on the need of environment studies. What are the main effects of deforestation? (6)
- (b) Explain the environment protection act in your own words. What is the relation between the environment and human health? (6)
- Que. 6 (a) What is radiation? Classify the sources of radioactive pollution with a neat flow chart. (6)
- (b) How do solid waste affect the environment? Explain the sources of solid wastes. (6)
- Que. 7 (a) What are the sources of water pollution? How can water pollution be controlled? (6)
- (b) What is meant by acid rain? How does it occur? What are its effects? (6)