

**(REVISED COURSE)**

(2 Hours)

QP Code : **11962**

[ Total Marks : 60

- N.B. :** (1) Question No.1 is **compulsory**.  
 (2) Answer any **three** from questions nos. 2 to 6.  
 (3) **Draw** neat labelled diagrams wherever **necessary**.

1. Solve any **five** of the following :— 15
  - (a) Explain ecological pyramid.
  - (b) Define sustainable Development.
  - (c) What are different air pollutants?
  - (d) What is meant by E- pollution?
  - (e) What is the role of ministry of Environmental and forests?
  - (f) What are renewable and non-renewable resources?
  - (g) How indoor pollution is caused?
2. Solve the following:—
  - (a) List out objectives of Environmental Education. 5
  - (b) What is solid waste management? Explain solid waste management by Land Filling. 5
  - (c) Explain briefly how photovoltaic cells are useful in harnessing solar energy. 5
3. Solve the following :—
  - (a) With the help of neat diagram, Explain working of bag house filter. 5
  - (b) What are important functions and powers of central pollution control board? 5
  - (c) Explain the concepts and objectives of green building. 5
4. Solve the following :—
  - (a) Explain the terms producers, consumers and decomposers. 5
  - (b) Explain salient features of Environmental Protection Act. 5
  - (c) What is hydel energy? Explain briefly the process of hydropower generation. 5
5. Solve the following :—
  - (a) How resource utilization as per carrying capacity is important for sustainable development? 5
  - (b) Explain briefly industrial waste water treatment. 5
  - (c) Draw rough sketch and explain how electricity can be generated from wind energy. 5
6. Solve the following :—
  - (a) Explain need and importance of environmental studies. 5
  - (b) Define terms noise pollution and explain its sources as well as ill effects. 5
  - (c) Explain various techniques for managing earthquakes. 5