

**Q.P. Code :27499**

**[Time: 2 Hours]**

**[ Marks:60]**

**Please check whether you have got the right question paper.**

- N.B:**
- 1. Question number 1 is compulsory.**
  - 2. Attempt any three question from Q.2 to Q.6.**
  - 3. Draw neat labelled diagrams wherever necessary.**
  - 4. Figures to right indicate full marks.**

**Q.1** Attempt **any five** questions from following:-

**15**

- What are the reasons for depletion of mineral resources?
- Explain the term: - 'sustainable development'.
- What cause noise pollution? Why it is bad?
- What are the powers of 'State Pollution Control Board' (SPCB)?
- Explain working principle of photovoltaic cells.
- Write effects produced by any three indoor air pollutants.
- What adverse effects are caused due to depletion of ozone layer?

**Q.2** a) Explain in detail any one control measure which can be adopted for better sustainable development.

**5**

b) How solid waste management can be achieved through landfilling.

**5**

c) Draw neat labelled diagram and explain generation of electricity from geothermal energy.

**5**

**Q.3** a) Why acid – rain is considered as bad? How it is formed?

**5**

b) Describe important features of 'Environmental Protection Act'.

**5**

c) How disaster management techniques are useful in the event of earthquake.

**5**

**Q.4** a) What are the global problems pertaining to population?

**5**

b) When environmental consent is required to be taken? Why it is important?

**5**

c) Draw a suitable diagram and explain how hydropower is generated?

**5**

**Q.5** a) Write social and economic aspects related to sustainable growth.

**5**

b) Draw a neat labelled diagram and explain working of bag house filter. Also, explain the role played by it in pollution control.

**5**

c) Draw neat diagram of wind mill and explain its role in converting wind energy into electricity.

**5**

**Q.6** a) How environmental awareness is required for prevention of environmental degradation?

**5**

b) How industrial waste water treatment is carried out?

**5**

c) Explain the role of technology in improving environment and human health.

**5**

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