

[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
- a) What are the reasons for depletion of mineral resources?
 - b) Explain the term: - 'sustainable development'.
 - c) What cause noise pollution? Why it is bad?
 - d) What are the powers of 'State Pollution Control Board' (SPCB)?
 - e) Explain working principle of photovoltaic cells.
 - f) Write effects produced by any three indoor air pollutants.
 - g) 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
