

M.Sc. (Part-II) (Environmental Science) (CBCS Pattern) Semester - IV
PSCENVT15.1-A - Environmental and Energy Management

P. Pages : 1

Time : Three Hours



GUG/S/23/11378

Max. Marks : 80

- Notes :
1. All questions are compulsory and carry equal marks.
 2. Illustrate the answers with suitable diagrams and examples.

1. Discuss impacts of cement industry waste on water and soil. 16

OR

- a) Explain pollution control strategies for industrial pollution control. 8
- b) Write about industrial pollution and development. 8

2. Explain general guidelines on principles of environmental management system ISO-14004 and specification of environmental management system ISO 14001. 16

OR

- a) Discuss environmental management system structure w.r.t. environmental auditing. 8
- b) Explain how environmental management is carried out in small scale industries. 8

3. Describe energy consumption in various sectors and its changing pattern. 16

OR

- a) Explain environmental effects of coal energy use. 8
- b) Discuss government policies for energy efficiency and energy conservation. 8

4. Discuss solar energy and wind energy as renewable energy resources. 16

OR

- a) Explain biomass as energy resource. 8
- b) Discuss geothermal energy resource. 8

5. a) Explain need for greening industry. 4x4 =16

- b) Write about ISO guide 64-product specification.
- c) Explain socioeconomic implication of energy use pattern.
- d) Describe energy auditing and energy economics.
