

Total No. of Questions : 8]

SEAT No. :

P3769

[Total No. of Pages : 2

[4760] - 75

**M. E. (Civil) (Water Resources and Environmental Engineering) (Semester - I)**

**ENVIRONMENTAL MANAGEMENT**

**(2012 Course)**

*Time :3 Hours]*

*[Max. Marks :100*

*Instructions to the candidates:*

- 1) Answer any three questions from each section.*
- 2) Answers to the two sections should be written in separate books.*
- 3) Neat diagrams must be drawn wherever necessary.*
- 4) Figures to the right indicate full marks.*
- 5) Use of logarithmic tables, slide rule, Mollier charts, electronic pocket calculator is allowed.*
- 6) Assume suitable data, if necessary.*

**SECTION-I**

**Q1)** Enlist the Environmental Inventory under consideration during Environmental Impact Assessment (EIA) of thermal power plant. Prepare detail EIA report to be submitted to concerned authority for approval. **[18]**

**Q2)** a) Comment on “Smart City and Environmental Engineering are two sides of same coin”. **[8]**

b) Write note on: **[8]**

i) Environment Decision Making

ii) Socio-economic Environment

**Q3)** a) Discuss air, water and noise environment of pilgrim centers. **[8]**

b) What is Rapid EIA? Right provisions for rapid EIA of based upon type of industries. **[8]**

**P.T.O.**

**Q4) Write note on:** [16]

- a) Clean development mechanism
- b) Transboundary pollution
- c) WHO agreements on environment
- d) Carbon Credit

**SECTION-II**

**Q5) a)** State Timeline of Environmental Laws and Regulations in India. Explain major legislative provisions in Environmental Protection Act 1986. [10]

**b)** Write note on: [8]

- i) Standards and setting criteria of environmental quality.
- ii) Earth Summit 1992

**Q6)** What is the difference between Environmental Plan, Environment Status Report, Environment Impact assessment and environmental management system? [16]

**Q7) a)** Discuss equilibrium balance of the environment. [6]

**b)** Explain the role of CPCB and State pollution control board in India. [10]

**Q8) Write note on:** [16]

- a) Provisions made in OHSHAS 18001
- b) ISO 14000
- c) Sustainable Environmental Technologies
- d) Women empowerment in environment field

