

Total No. of Questions : 8]

SEAT No. :

P4223

[Total No. of Pages : 2

[4860]-602

M.E. (Civil) (Water Resources and Environmental Engineering)

ENVIRONMENTAL MANAGEMENT

(2012 Pattern) (501602) (Semester - I)

Time : 3 Hours]

[Max. Marks : 100

Instructions to the candidates:

- 1) *Question No. 1 and 5 are compulsory and answer any two from remaining 3 questions of 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) Explain in detail methodology and processes for Environmental Impact Assessment and write a report on Rapid Environment Assessment for a multipurpose reservoir. **[18]**

Q2) Discuss the systematic methodology for assessing Environmental Impact due to noise of any project activity. **[16]**

Q3) What is meant by social assessment? Why socioeconomic impacts are important in EIA of a major development project? **[16]**

Q4) Write down national and international scenario on Agrochemical pollution and measures **[16]**

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 a short note on Indian forest Act 1950. **[8]**

P.T.O.

- Q6)** a) Write a short note on. **[4]**
- i) Economic tools for Environmental Management.
 - ii) Quantity rationing for environmental protection.
- b) Explain Environmental management system in line with ISO 14000. **[12]**
- Q7)** a) The issues and challenges due to Global Warming in environment management. **[6]**
- b) Explain the role of CPCB and state pollution control board in India. **[10]**
- Q8)** Explain Economic incentives related to Environmental protection with the help of following points.
- a) Price rationing
 - b) Liability rules
 - c) Quantity rationing. **[16]**

