

Total No. of Questions : 8]

SEAT No. :

P2764

[Total No. of Pages : 2

[5033] - 201

M.Sc. (Semester - II)
ENVIRONMENTAL SCIENCE

EVSC - 201 : Environmental Pollution & Control - I : Water & Soil
(2013 Pattern) (Credit System)

Time : 3 Hours]

[Max. Marks : 50

Instructions to the candidates:

- 1) *Neat diagrams must be drawn wherever necessary.*
- 2) *Figures to the right indicate full marks.*
- 3) *All questions carry equal marks.*
- 4) *Your are advised to attempt not more than 5 questions.*

- Q1)** a) What are the point sources of river water?
b) What are the Biological pollution and how they pollute the water bodies?
- Q2)** a) What are the BIS standards for drinking water?
b) Explain the various methods for water sample collection.
- Q3)** a) How does saturated hydraulic conductivity study are important in Ground water.
b) Differentiate between artifical recharge and induced infiltration.
- Q4)** a) What are the guidlines for disposal of sewage in sea?
b) What are problems associated with oil extraction in marine environment?
- Q5)** a) Explain in brief reutilization of waste water.
b) Explain in brief the factors required in stabilization of ecosystem.

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- Q6)** a) How does mining activities effects deterioration of soil?
b) Describe various methods used in waste water disposal on land in India.
- Q7)** a) Discuss various processes biological transformation of heavy metals.
b) Discuss the specifications for disposal of waste water on land for irrigation.
- Q8)** a) Explain the problems related to dumping of over barden in an iron ore mining.
b) Describe one case study related to disposal of fly ash in Maharashtra.

