

Total No. of Questions : 8]

SEAT No. :

**P2187**

**[5330]-201**

**[Total No. of Pages : 2**

**M.Sc.**

**ENVIRONMENTAL SCIENCE**

**EVSC -201 : Environmental Pollution and Control - I : Water and Soil  
(2013 Pattern) (Semester - II)**

*Time : 3 Hours]*

*[Max. Marks : 50*

*Instructions to the candidates:*

- 1) Solve any five questions from the following.*
- 2) Neat and labeled diagrams must be drawn wherever necessary.*
- 3) Figures to the right indicate full marks.*

**Q1) Answer the following:** **[10]**

- a) What are the sources of marine pollution.
- b) Give the importance of water sampling in analysis.

**Q2) Answer the following:** **[10]**

- a) What are the sources of ground water pollution. Add a note on health hazards.
- b) Explain the primary treatment of waste water with its significance.

**Q3) Answer the following:** **[10]**

- a) What are the guidelines for disposal of hazardous waste in marine environment.
- b) What is the impact of offshore drilling on marine environment.

**Q4) Answer the following:** **[10]**

- a) Explain the pedogenesis. Add a note on weathering of rocks.
- b) Sketch a neat diagram of soil profile with its significance in each zone.

**P.T.O.**

**Q5)** Answer the following: [10]

- a) What are the importance of sampling and preservation of water samples in analysis studies.
- b) What is biological water pollution. Add a note on eutrophication.

**Q6)** Answer the following: [10]

- a) Explain the terms soda city, alkaline soil and saline soil.
- b) What are the biological effects of ionizing radiation.

**Q7)** Answer the following: [10]

- a) Explain the various methods of solid waste disposal.
- b) Briefly write the application and impact of fly ash in agriculture.

**Q8)** Write short notes on the following: [10]

- a) Soil conservation methods.
- b) Compaction and dewatering of Sludge.

