

Total No. of Questions :8]

SEAT No. :

P2293

[4933]-201

[Total No. of Pages :2

M.Sc. -I

ENVIRONMENTAL SCIENCE

**EVSC-201: Environmental Pollution & Control I: Water & Soil
(2013 Pattern) (Semester - II) (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) You are advised to attempt not more than 5 questions.*
- 5) All questions are compulsory.*

Q1) a) What are the point sources of Groundwater?

b) What are the impacts of agriculture runoff on aquatic bodies.

Q2) a) Which are the WHO standards for safe drinking water?

b) Explain in detail the BOD and COD analysis significance in water analysis.

Q3) a) Explain the pumping test study importance in groundwater.

b) Explain the factors influencing the natural recharging of aquifers.

Q4) a) What are the guidelines for pollution due to off shore drilling.

b) Which are the problems associated with deep mining activities.

Q5) a) Write in short about stabilization of ecosystem.

b) Explain in brief about recycling of waste water.

P.T.O.

- Q6)** a) How does mining activities effects the soil quality.
- b) Discuss the sources and consequences related to soil pollution.
- Q7)** a) Discuss various processes microbial transformation of heavy metals.
- b) Describe the specification required for disposal of waste water on groundwater.
- Q8)** a) Describe any one case study realated to disposal of fly-ash in eastern Maharashtra.
- b) Explain the problems related to overburden dumping in an open cast iron ore mines.

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