

Total No. of Questions : 4]

SEAT No. :

[Total No. of Pages : 2

P692

[5315] - 229

S.Y. B.Sc.

ENVIRONMENTAL SCIENCE

**EVS-202 : Pollution Control and Environmental Technology
(2013 Pattern) (Semester-II) (Paper-II)**

Time : 2 Hours]

[Max. Marks : 40

Instructions to the candidates:

- 1) All questions are compulsory and carry equal marks.*
- 2) Neat and labelled diagrams must be drawn wherever necessary.*
- 3) Figures to the right indicate full marks.*

Q1) Answer the following in 1 to 2 lines each:

[10]

- a) Define gray water.
- b) Give two names of disinfection of water methods.
- c) Define reverse osmosis.
- d) Define adsorption.
- e) What is pyrolysis.
- f) Role of catalytic conversion in fuel combustion.
- g) Give any two methods of in - situ treatment - in solid waste.
- h) Define Biogasification.
- i) Give two examples of attach growth treatment in waste water.
- j) Define phytoremediation.

Q2) Write a short notes on Any Two of the following:

[10]

- a) Sanitary landfill.
- b) Volume reduction methods in solid waste.
- c) Sound insulation.

P.T.O.

Q3) Answer any two of the following:

[10]

- a) Briefly explain the working principle of wet scrubbing.
- b) What are the methods used for noise control.
- c) Explain the adsorption theory with suitable example.

Q4) Answer Any One of the following:

- a) Explain the methods of anaerobic waste water treatment add a note on UASB. **[10]**
- b) Explain the health hazards of nuclear waste and add note on its disposal methods.

