

M.Sc. DEGREE EXAMINATION, NOVEMBER 2016.

THIRD SEMESTER

Environmental Science

Paper IV — ENVIRONMENTAL MONITORING AND MANAGEMENT

Time : Three hours

Maximum : 75 marks

(No additional sheet will be supplied)

PART A — (5 × 3 = 15 marks)

Answer any FIVE questions.

Each question carries 3 marks.

Each answer should not exceed 1 page.

1. Chlorination.
2. Flash mixer.
3. Diffusers.
4. Rapid and filter.
5. Primary settling tanks.
6. Land filling.
7. Plume rise.
8. Cyclones.

PART B — (4 × 15 = 60 marks)

Answer ALL questions.

Each question carries 15 marks.

Each answer should not exceed 6 pages.

9. Write an essay about design of pressure pipes.
Or
10. Write about different types of pumps used in sanitation.
11. Discuss the process of diffusers and mechanical aerators.
Or
12. Explain the process and design of primary sedimentation tank.
13. Describe the design of anaerobic digester and sludge drying bed.
Or
14. Write on the composition of paper and pulp industry waste water.
15. Explain the design of settling chamber.
Or
16. Give an account on the fabric filters and electrostatic precipitators.

