



DPB – 510 (Env. Sci.)

Final Year M.Sc. (Environmental Science) Degree Examination, July/August 2011

Directorate of Distance Education (Freshers/Repeaters)

Paper – V : Environmental Pollution and Monitoring

Time: 3 Hours

Max. Marks: 75/85

- Instructions :** 1) *Students who have attended 25 Marks IA Scheme will have to answer for total of 75 Marks.*
2) *Students who have attended 15 Marks IA Scheme will have to answer for total of 85 Marks.*

SECTION – A

Write **any FIVE** of the following :

(5×3=15)

1. Photochemical smog
2. Acid rain
3. Benthos
4. Point source of pollutants
5. Noise hazards
6. Soil profile
7. Radioactive pollution
8. Ozone depletion.

SECTION – B

Answer **any FIVE** of the following :

(5×6=30)

9. Explain the sources and effects of NOX and SOX pollutants.
10. Write an account on urban runoff and water pollution.
11. Write the principles of air monitoring.
12. Give an account of Ganga Action Plan.
13. Explain the methods of noise measurement.
14. Write a note on air pollution tolerance index.

P.T.O.



SECTION – C

Answer **any THREE** of the following :

(3×10=30)

15. Discuss the chemistry and effects of secondary air pollutants.
16. Describe in detail the sources and effects of heavy metals.
17. Explain the effects of radiation on health and add a note on monitoring.
18. Explain MPN and Coliform index. Add a note on water pollution indicators.

SECTION – D

Answer **any ONE** of the following :

(1×10=10)

19. Describe the pesticides impact on soil and soil biota.
20. Discuss the different methods of air sampling techniques and instruments used.
