

Reg. No. :

D 709

Q.P. Code : [D 07 PES 04]

(For the candidates admitted from 2007 onwards)

M.Sc. DEGREE EXAMINATION, DECEMBER 2009.

First Year

Part III — Environmental Science

INSTRUMENTAL METHODS OF ANALYSIS

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

(5 × 20 = 100)

All questions carry equal marks.

1. Discuss the principle of paper chromatography and explain the dimensional paper chromatography.
2. What is thin layer chromatography? Why is thin layer chromatography superior to other types of chromatographic methods?
3. Write a note on principle, procedure and applications of IR.

4. Write a note on principle, instrumentation and environmental applications of flame photometer.

5. What are potentiometric titration and how they are performed? Discuss briefly the methods of end point location.

6. Write a note on AAS.

7. Explain the role of ANOVA in environmental data analysis.

8. Write a note on Turbidometry.
