



DPA – 510 (Che)

M. Sc. Previous Degree Examination, August/September 2010

(Freshers)

(Directorate of Distance Education)

CHEMISTRY

Analytical Chemistry – I

Time : 3 Hours

Max. Marks : 85

*Note : i) Answer any **ELEVEN** subdivisions from Part – A, **THREE** full questions **each** from Part – B and Part – C.*

*ii) **Figures** to the **right** indicate **marks**.*

PART – A

1. a) What is error ? Explain with examples. **(11×2=22)**
- b) Mention the factors influencing the solubility of the precipitate.
- c) Differentiate the post precipitation from coprecipitation.
- d) What is synergetic extraction ? Explain with examples.
- e) Explain the significance of R_f value in chromatography.
- f) What is acid rain ? How it is caused ?
- g) Mention the characteristics of non aqueous solvents.
- h) Explain the terms : BOD and COD.
- i) What is ion exchanger capacity ? Explain.
- j) Mention the advantages of HPLC over GC.
- k) What are the requisists of ideal carrier gas ?

P.T.O.