



Air Force Golden Jubilee Institute

Subroto Park New Delhi – 110010

Term – I

Syllabus (2011-2012)

Class – XII

CHEMISTRY

Unit 1:	Solid state
Unit 2:	Solutions
Unit 3:	Electro chemistry
Unit 4:	Chemical Kinetics
Unit 6:	Extraction of elements
Unit 7:	The P – block elements
Unit 8:	The d- and f- block elements
Unit 9:	Co-ordination Compounds
Unit 15:	Polymers
Unit 16:	Chemistry in everyday life

Practicals

1. Preparation of potash alum
2. Preparation of Mohr salt
3. Chromatography – (inorganic mixture)
4. Salt analysis (colored salts)
5. Preparation of standard solution using analytical balance
 - (a) Mohr salt
 - (b) Oxalic acid
6. Volumetric Analysis (Red ox titration)
 - (a) $KMnO_4$ Vs oxalic acid
 - (b) $KMnO_4$ Vs Mohr salt
7. Food test : Carbohydrates (starch, reducing & non reducing sugar)
 - : Proteins
 - : Fats
8. Functional group Analysis:
 - (a) Alcoholic
 - (b) Phenolic
 - (c) Carboxylic
 - (d) Aldehydic
 - (e) Ketonic
 - (f) Primary amino group
9. Salt analysis of white samples (minimum Ten)
- 10 Preparation of organic compound (Azodye)