SCA-5405

-reduction properties, standardization, requirement for the selection of the ductants, selection of suitable indicators for various reductant systems,

(a) Inorganic Systems – Cr (II), V (II), Ti (III), Sn (II), Fe (II) in H_3PO_4 and hydrazine,

(b) Organic Systems – hydroquinone and Ascorbic acid.

Unit – IV Analysis of some selected Drugs:

Basic considerations of drugs – Classification

Determination of the following Drugs:

1) Actyl salicylic acid (Antipyretic – Analgesic)
2) Testosterone, progesterone and cortisone (Steroids and corticoids)
3) Sulphadiazine (sulphadrugs)
4) Phenobarbitone (Barbituric acid derivatives)
5) Chloramphenicol, Benzyl penicillin and Tetracycline (Antibiotics)
6) Thiamine (B1), Riboflavin (B2) and ascorbic acid (c) [Vitamins]
7) Isoniazid (Antimicrobacterial agents)
8) Methlydopa (Antihypertensive agents)
9) Metronidazole (Antiamoebic agents).

Text books:

1. Technical methods of analysis – Griffin, Mc Graw Hill Book Co.
2. Chemical Separation and measurements – D.G Peterseti, John M.Haves Sanders Co.
3. Chemical analysis – H.A Laitinan, Mc Graw Hill Book Co.
4. Newer redox titrants – Berka, Zyka and Vulterin, Pergamon Press
5. Volumetric Analysis, Vol III – I.M Kolthoff and R.Belvher, Interscience Public, New York
6. Vogel's Text Book of norganic Quantitative Analysis – J.Bassett et al, ELBS
7. Pharmaceutical analysis – T. Higuchi, Brochmann hausfen

Reference Books:

1. D.A Skoog, D.M West and F.J Holler, Analytical Chemistry, An Introduction, Sanders College Publishing, New York
2. Quantitative Chemical Analysis – I.M Kolthoff, E.B Sandel, E.J Meehan, S. Bruckenstein, Macmillan Company, London