

Department of Chemistry,

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List of Experiments under the STAR-DBT Scheme and Equipments purchased

Sr. No	Practical	Equipment purchased
F.Y.B.Sc.		
1.	Determination of Melting point of a solid by using Melting Point Instrument.	Melting point instrument
2.	Determination of pH of beverages using pH meter. (New addition)	pH meter
3.	To determine the concentration of a given sample of KMnO_4 by colorimetric method.	Colorimeter
4.	Organic Spotting by using Microscale techniques. (New addition)	Microscale kit
S.Y.B.Sc.		
1.	Estimation of Ni in a given solution by gravimetry and complexometric titration. (modification)	Digital balance, Distill water apparatus, Oven
2.	To determine the energy of activation of the acid catalyzed hydrolysis reaction of methyl acetate.	Thermostat
3.	To determine the strength of weak acid by titrating against strong base conductometrically. (New addition)	Conductometer
4.	To determine the amount of Copper ions in the given solution by using spectrophotometer (modification)	Spectrophotometer
5.	Organic Spotting by using Microscale techniques. (New addition)	Microscale kit
T.Y.B.Sc.		
1.	Determination of Potassium content of Commercial salt sample by Flame Photometry	Flame photometer
2.	Photometric Titration of Copper (II) with EDTA (New addition)	Spectrophotometer
3.	To prepare benzoic acid from benzil using Green approach. (Microwave) (New addition)	Microwave for synthesis
4.	To determine pKa and pI of amino acids by pH metry.	pH meter
5.	Organic Spotting by using Microscale techniques. (New addition)	Microscale kit