

LIST OF BOOKS (to be purchased from UGC grant of Rs.2950/-) FOR TENDER

Dept. of Chemistry

Physical Chemistry

1. Physical Chemistry	K.L.Kapoor	Vol.3	2copies
2. Physical Chemistry	K.L.Kapoor	Vol.4	2 copies
3. Problems in Physical Chemistry	AmalenduGhoshal		2 copies
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Organic Chemistry

1. Stereochemistry of Organic molecules	Subroto Sengupta		1 copy
2. Organic Chemistry	Soiomon Fryhle		1 copy
3. Mechanism of Organic Chemistry	K.S. Mukherjee		1 copy
4. Problems and their solutions in Organic Chemistry	I. L. Finar(Pearson)		1 copy
5. Success guide in Organic Chemistry	S. Chand		1 copy
6. Synthetic Methodology	R.K.Kar		2 copies
7.Pathway to Organic Chemistry, Structure and Mechanism	R.Bhattacharya		1 copy

Inorganic Chemistry

1. Inorganic Chemistry, Part - I	R.L.Dutta		2 Copies
2. Elimentary Inorganic Chemistry	Dutta, Ray		2 copies
3. Advanced Experiments In Inorganic Chemistry	G.N.Mukherjee		2 copies
4. Advanced Practical Chemistry	Subhas C Das		1 copy
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5. Inorganic Chemistry, Part - II	R. Sarkar		2 copies
6.PrasnottareSnatakRasayan	Gangopadhyay,Mukherjee,Dutta		2copies

Department of Chemistry

Requisition of chemicals and apparatus for tender

<u>Item</u>	<u>Specification</u>	<u>Quantity</u>
Hydrochloric acid	Merck	4 x 2.5 L
Sulphuric acid	Merck	3 x 2.5 L
Phosphoric acid	Merck	3 x 500 ml
Filter paper	Whatman (11cm)No 42, 41 General No 1	2 boxes each 6 box
Cobalt oxide	Loba/ Merck	1 x 250 gm
Catechol	Loba/ Merck	1 x 250/500 gm
Hydrogen peroxide 30%	Merck	1 x 500 ml
Methylated spirit	Local	6 x 500 ml
Ortho nitroaniline	Loba	1 x 250 gm
Paranitrophenol	Loba	1 x 500 gm
Chlorine water	Loba	1 x 500 ml
Acetic acid	Merck	2 x 500 ml
Activated Charcoal	Merck	1 x 500 gm
Rectified spirit	Local	5 x 450 ml
Methylene blue	Merck	1 x 25gm
Zinc metal	Merck	1 x100gm
Ferric chloride	Merck	1 x 500 gm
Cacotheline	Loba	1x 5gm
Vacuum grease	Loba	2 x 100 gm
Manganous sulphate	Merck/Loba	1x250/500gm.

Glass goods

<u>Item</u>	<u>Specification</u>	<u>Quantity</u>
Reagent bottle 250 ml(plastic)	Local	2 dozens
Measuring cylinder -100ml,	Plastic,Local	2 pc
Measuring cylinder 25ml, 10 ml	Plastic Local	2 pc each
Test tube 20ml	4x1/2",5x5/8"	6boxes&12 boxes
Wire gauze	6"x 6"	6 pc
Asbestos centred wire gauze	6"x6"	6 pc
Bunsen burner	Best quality	12 pc
Digital balance	2 digit,Adco/K Roy	1 pc.
Polythene tube for bunsen burner	8 mm	20 metre
Beaker-250ml,100ml	Borosil	2 dozen each
filtering ring	Local	6 pc

The above mentioned chemicals and glass goods were not approveable for tender due to nonavailability of prices from the companies.

Department of Chemistry

LIST OF INSTRUMENTS FOR TENDER 2015

UGC grant sanctioned Rs.53366 + Rs.30000(obtained from Phy. Dept.)

<u>Items (Specification)</u>	<u>No</u>		
1.HPLaserjet 1020plus printer	One		
2.Desktop Pc	One		
3.External Hard Disk WD Elements 500GB/1TB	One		
4.Systronics μ system pH meter with electrode 85418	One	Model	C-
5. Magnetic Stirrer and Hot Plate,Remi Model 2MLH	One		
6. Microwave (Grill & Convection) (LG/Samsung) (above 20 Lit)	One		
7. Digilal Balance (Four digits after point,00.0000) Wensermake,Model-MAB 220	One		
8. Digilal Balance (Two digits after point, 00.00) (Wenser make, Model-PGB600)	Two		
9. Centrifuse Machine, Remi (Model C-85418)	One		

Plan of works proposed for utilization of UGC grant(Rs.30055/-) sanctioned for the maintenance of the laboratory set-up in the Dept.of Chemistry

1. Renovation of working tables of laboratory covering with sun mica and plywood tops.
2. Repair of old cabinets and window in the storeroom
- 3 Renovation of fume chambers
- 4 Covered hanging cabinets—2
- 5 Anti termite treatment
- 6 Wall repair—water resistant chemical treatment
- 7 Wash basin-1
- 8 White board - 2
- 9 Installation of newly purchased polarimeter and UV-VISIBLE spectrophotomete, five chainometric balances (disbalanced due to shifting to a safe place during flood) , replacement of a mirror in refractometer and repair of the working polarimeter (Total cost might be about Rs.3000)