



INDIAN INSTITUTE OF TEACHER EDUCATION

Ramkrishna Paramhans Vidya Sankul, Nr. Mahatma Mandir

“KH”-5, Sector 15, Gandhinagar. Phone -: 079-23243733.

ભાવપત્રક મેળવવા અંગે.

આઈ.આઈ.ટી.ઈ. સેન્ટર ઓફ એજ્યુકેશન, ગાંધીનગરની ફિઝિક્સ, કેમેસ્ટ્રી તથા લાઇફ સાયન્સ લેબોરેટરીમાં કેમિકલ, કોમ્પોનન્ટસ, ગ્લાસવેર તથા ઇન્સ્ટ્રુમેન્ટ્સની ખરીદી માટેના ભાવ આમંત્રિત કરવામાં આવે છે. ભાવપત્રક મોકલવાની વિગતો આઈ.આઈ.ટી.ઈ.ની વેબસાઇટ www.iite.ac.in પરથી જોવાની રહેશે, બંધ ક્વરમાં ભાવપત્રક તા.૦૭/૦૯/૨૦૨૩ (8:00 Hrs) થી તા.૧૬/૦૯/૨૦૨૩ (4:00 Hrs) સુધીમાં ભરીને આઈ.આઈ.ટી.ઈ. ખાતે પહોંચાડવાના રહેશે. ભાવપત્રક સાથે ઇન્સ્ટ્રુમેન્ટ્સ ના catalogue આપવાના રહેશે.

સ્થળ -:ગાંધીનગર

તારીખ:-૦૭૦-૯

કુલસચિવ

૨૦૨૩- આઈ.આઈ.ટી.ઈ.

Chemistry Lab Requirement

- Required specifications are given below.
- The requisite chemicals are needed in pure form since any impurities in them will drastically modify their properties. Hence, we require all standardizes Laboratory Grade (LR) chemicals.
- Kindly send the quotation (Hard copy) of above chemicals/equipment and glassware as per mentioned address and date(time) in newspaper advertisement.

Kindly mention name on envelope: Centre of Education (Chemistry), IITE

Indian Institute of Teacher Education, Gandhinagar**Department of Chemistry****List of Requirements**

No.	Name of Chemicals	Unit (gm or ml)	QTY.
1	Chloroform	500ml	1
2	Glycerine	500ml	1
3	Ethyl acetate	500ml	1
4	Benzaldehyde	500ml	2
5	Aniline	500ml	2
6	Glacial Acetic acid	2.5 lit	1
7	Con. HCl	2.5 lit	3
8	Con. H ₂ SO ₄	2.5 lit	1
9	Oxalic acid	500 gm	2
10	Benzoic acid	500 gm	2
11	Alpha naphthol	500 gm	1
12	Beta Naphthol	500 gm	1
13	Urea	500 gm	1
14	Thiourea	500 gm	1
15	Sodium bicarbonatre (NaHCO ₃)	500 gm	6
16	Sodium Hydroxide (NaOH)	500 gm	5
17	Acetone	2.5 lit	4
18	Methanol	2.5 lit	4
19	Chloro benzene	500 ml	1
20	Methyl ethyl ketone	500 ml	1
21	P- nitro phenol	500 gm	1
22	Anthracene	100 gm	3
23	Copper sulphate (CuSO ₄)	500 gm	1
24	Potassium chloride (KCl)	500 gm	1
25	Mono chloro acetic acid	500 gm	1
26	Maleic acid	500 gm	1
28	Lithium Hydroxide	100 gm	3
29	Sodium nitrite (NaNO ₂)	500 gm	2
30	Dimethyl sulphate	500 ml	1
31	I ₂ Granules	100 gm	1
32	Sodium nitropruside	100 gm	1
33	ferrous sulphate	500 gm	1
34	Carbon tetrachloride	500 ml	1
36	Potassium Iodide	100 gm	1
37	Dimethyl aniline	500 gm	1
38	o- phenylene diamine	5 gm	1

40	Silver Nitrate	25 gm.	1	
41	Acetyl acetone(EPH)	500 ml	4	
42	Heavy Paraffin	2.5 ltr.	1	
No.	Name of Glasswares & Metal wares	Unit/ capacity	QTY	Specification
1	Burette with pinch clip	50 ml	20	with pinch clip
2	Round Bottom Flask (RBF)	250 ml	10	single neck -19 mm , Borosilicate glass with heat resistant
3	Condenser	-	10	200 mm)19/26mm, made from Heat resistant, borosilicate glass, suitable for Distillation and reflux application.)
4	Recovery Head	-	10	19 /26 mm
5	Thermometer Pocket closed	-	10	End 19 /26 mm
6	Glass rods	-	30	10-15 cm
7	Watch glass	(75 mm)	20	75 mm
8	Pipette Volumetric	25 ml	20	Borosilicate glass with accurate measurement ,
9	Pipette Volumetric	10 ml	20	Borosilicate glass with accurate measurement
10	Conical Flask	250 ml	30	85X145 mm O.DX Height, 34 mm neck, suitable for mixing
11	Beaker	250 ml	30	Made from high quality borosilicate glass , uniform wall thickness and ideal for heating liquid
12	Beaker	500 ml	20	Made from high quality borosilicate glass , uniform wall thickness and ideal for heating liquid
13	Beaker	100ml	20	Made from high quality borosilicate glass , uniform wall thickness and ideal for heating liquid
14	Measuring Cylinder	10 ml	5	Borosilicate glass, round base, calibrated at 27°C
15	Measuring Cylinder	10 ml	10	(plastic, capacity, Round base, calibrated at 27°C)
16	Measuring Cylinder	10 ml	10	(plastic , Round base, calibrated at 27°C)
17	Measuring Cylinder	10 ml	10	(plastic Round base, calibrated at 27°C)

18	Measuring Cylinder	25 ml	5	Borosilicate glass, round base, calibrated at 27°C)
19	Measuring Cylinder	100 ml	5	Borosilicate glass, round base, calibrated at 27°C)
20	Test Tubes with Rim	10 ml	1pck	(15 X 125 mm) Made from borosilicate, uniform wall thickness, and excellent heat transfer.
21	Gravity bottle	10 ml	2	with Teflon stopper
22	Oswald viscometer	0.9 to 3.0 viscosity range	2	0.9 to 3.0 viscosity range, ideal for transparent liquid certified at 40 °C - 100°C)
23	Teflon magnetic bid		5	15 mm X 8 mm PTFE coated)
24	Buckner funnel	75 mm	1	(Ceramic) 75mm with Rubber cork
25	Tubing (High pressure pipe)	-	20 meter length	For Buckner funnel use ,resistant to light acid & light alkaline,
26	Tubing (natural rubber pipe)	pkt-10 mt	4	For condenser use ,resistant to normal temperature
27	Platinum electrode (for Potentiometer)	-	2	Used for potentiometer
28	Bunsen burner	-	20	(12 mm diameter, cast iron, brass pipe, chrome-plated)
29	tripod stand	-	20	(Height - 20 cm, cast iron, black painted)
30	burette stand	-	20	Rectangular stand, cast iron, chrome plated
31	Spatula	-	20	6 inch length) (Stainless steel, one end spoon and end flat)
32	Universal clamp	-	20	(Aluminium epoxy coated) with boss head
33	Burette clamp	-	20	Fischer type with boss head
34	Dropping Bottle	60 ml	10	(60 ml capacity, Made from low density polyethylene, small uniform drops of liquid when pressed lightly)
35	Dropper Glass	5ml	10	small uniform drops of liquid when pressed lightly)
36	Dropper plastic	5ml	10	small uniform drops of liquid when pressed lightly)
37	Spray bottle	100 ml	10	Use for chromatography, solvent spring
38	mortar and pestle (Big size)	8 mm	1	use in compound mixing

No.	Name of consumables	Unit	QTY	Specification/ Purpose
1	Red litmus paper	1 pkt-200 leaves	1	For pH determination
2	Blue litmus paper	1 pkt-200 leaves	1	For pH determination
3	capillary	1 pkt 100 nos.	1	Microcapillary. Melting point tube
4	Cotton roll	1 packet	2	Non absorptive quality
5	Fusion tube	1 pkt-100 nos.	1	For boiling point purpose
6	pH capsule (4,9 and 7)	1 bottle-10 capsules	3	4 pH ,9 pH and 7 pH
7	Hand gloves	1 pkt-100 nos.	5	Disposable nitrile gloves
8	Filter Paper	1pkt-500 sheets	1	(Kalpi) 46 x 57 cm
9	Filter Paper	1 pkt-100 sheets	1	(Sonar)46 x 57 cm
No.	Name of Instrument	Unit	QTY	Specification
1	Digital weighing balance	each	2	Accuracy 500g x 10mg (0.1g) Analytical Balance Weighing Scale with Direct Electricity Supply Adapter & AAA Batteries)