

ZAKIR HUSAIN DELHI COLLEGE

(UNIVERSITY OF DELHI)

Jawaharlal Nehru Marg, New Delhi - 110002

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ज़ाकिर हुसैन दिल्ली कॉलेज

(दिल्ली विश्वविद्यालय)

जवाहरलाल नेहरू मार्ग, नई दिल्ली - 110002

दूरभाष: 011-23232218, 23232219, 23233420, फ़ैक्स: 011-23215906

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Accredited Grade 'A' by NAAC

Ref.: ZHDC/Chemicals & Glassware /NIQ/2019

July 23, 2019

NIQ

Sealed Quotations are invited for the supply of listed items from authorized dealers/vendors. The quotation must reach to the undersign by August 01, 2019 by 03:00 p.m.

For more specification/clarification please contact the S.O. Admn. between 3.00 to 5.00 PM during working days. The last date for submission of quotation is 01/08/2019 at 3.00 PM. The sealed envelope should be addressed to the Principal, Zakir Husain Delhi College with name of Items mentioned on the top of envelope, and our NIQ Ref. No. be indicated on your quotation which should be submitted to Zakir Husain Delhi College, Jawaharlal Nehru Marg New Delhi-110002 on or before the last date of submission, i.e., 01/08/2019.


Terms and Conditions:

1. The quotations will be opened on 01 August 2019 at 4.30 p.m. in the Office the Principal, Zakir Husain Delhi College in presence of tenderers who wish to be present.
2. College will not pay any advance.
3. Campaigning in any respect regarding quotation will disqualify the eligibility of the supplier.
4. College reserves the right to reject any or all quotations without assigning reason thereof.


23/7/19
(Dr. Masroor Ahmad Beg)
Principal

College Website

DU Website

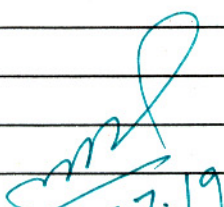

23/07/2019

List of Chemicals required in the Department of Chemistry for 1st Sem. 2019-20 from Qualigens/F.S./S.D. Fine/S.R.L./Spectrochem/Molychem/Rankem/Thomas Baker

S. No.	Name of Chemical	Pack size	Requirement No. of Packs
1	Acetamide	500g	2
2	Acetanilide	500g	1
3	Acetic Acid	2.5 Litre	10
4	Acetyl Acetone	500ml	1
5	Acetone	2.5 Litre	2
6	Acid Sulphuric	5 Litre	10
7	Acrylamide	25mg	1
8	Aniline	500ml	3
9	Alpha-Amylase/ Diastase	100g	2
10	Alpha- Naphthol	100g	2
11	Benzaldehyde	500ml	4
12	Benzene	2.5 Litre	1
13	Bovine Serum Albumine(B.S.A.)	10g	2
14	Bromobenzene	250ml	6
15	B-Naphthol	500g	1
16	Chlorobenzene	500ml	2
17	Chloroform	2.5 Litre	2
18	Cyclohexanone	500ml	2
19	Dextrose (Glucose)	500g	3
20	Diethyl Ether	2.5 Litre	1
21	2:4 Dinitrophenyl Hydrazine	100g	3
22	3:5 Dinitro Benzoic Acid	100g	2
23	Fructose-D	500g	2
24	Glycerol	500g	4
25	Hydroxyl Amine Hydrochloride	100g	3
26	Hydrogen Peroxide	500ml	1
27	2-Methyl Propane-2-ol/Tert Butyl Alcohol	500ml	2
28	Ninhydrine	10g	2
29	Nitrobenzene	500ml	5
30	N-Propyl Alcohol	2.5 Litre	1
31	P- Nitro Aniline	250g	2
32	P-Toluidine	100g	1
33	L-Proline	5g	1
34	Phosphorous Penta Chloride	500g	6
35	Picric Acid	500g	2
36	Polyvinyle Alcohol (cold) 12500m.w.	500g	1
37	Phthalic Acid	500g	4
38	Resorcinol	250g	4
39	Silica Gel Blue	1 kg	1
40	Starch Soluble	500g	1

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S. No.	Name of Chemical	Pack size	Requirement No. of Packs
41	Succinic Acid	500g	1
42	Sucrose	500g	4
43	S-Benzyl-Iso-Thiurenium	100g	2
44	Thiourea	500g	2
45	Maltose	250g	2
46	P-Cresol	500g	1
47	Glycine	500g	2
48	Phenol Reagent / Folin Ciocalteus'	250ml	2
49	Aluminium Chloride	500g	1
50	Aluminium Powder	100g	1
51	Ammonium Acetate	500g	2
52	Ammonium Bromide	500g	2
53	Ammonium Carbonate	500g	4
54	Ammonium Chloride	500g	2
55	Ammonium Ceric Nitrate	100g	2
56	Ammonium Dihydrogen Phosphate	500g	1
57	Ammonium Chloride	1kg	2
58	Ammonium Molybdate	100g	2
59	Ammonium Ferrous Sulphate	500g	4
60	Ammonium Oxalate	500g	2
61	Ammonium Sulphate	500g	4
62	Ammonium Thiocyanate	500g	2
63	Berium Chloride	500g	1
64	Bismuth (III) Carbonate/Bismuth oxycarbonate	100g	3
65	Bismuth Oxychloride	100g	3
66	Cadmium Acetate	100g	2
67	Cadmium Nitrate	500g	1
68	Cadmium Sulphate	100g	2
69	Calcium Chloride (Dehydrated)	500g	2
70	Calcium Sulphate	500g	2
71	Calcium Oxide	500g	1
72	Calcium Hydroxide	500g	2
73	Cromium Sulphate	500g	1
74	Cobalt Sulphate	500g	1
75	Copper Acetate	500g	1
76	Copper Sulphate	500g	6
77	Ferrous Sulphate	500g	3
78	Iodine Monochloride	250g	2
79	Lead Acetate	500g	2
80	Lead Carbonate	500g	1
81	Lead Nitrate	500g	2
82	Mangnese Chloride	500g	1


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S. No.	Name of Chemical	Pack size	Requirement No. of Packs
83	Nickel Chloride	500g	1
84	Potassium Carbonate	500g	2
85	Potassium Chloride	500g	1
86	Potassium Hydroxide	500g	2
87	Potassium Oxalate	500g	3
88	Potassium Permagnate	500g	1
89	Potassium Sodium Tartrate	500g	1
90	Potassium Sulpho Cyanide	500g	1
91	Sodium Acetate (Hydrated)	500g	1
92	Sodium Bicarbonate	1kg	2
93	Sodium Bisulphite	500g	2
94	Sodium Carbonate	5kg	3
95	Sodium Cobalti Nitrite	100g	1
96	Sodium Hydroxide	5kg	6
97	Sodium Metal	500g	1
98	Sodium Nitrite	500g	1
99	Zinc Sulphate	500g	1
100	E.D.T.A.	500g	2


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List of Borosil Glass Ware required in the Department of Chemistry for 1st Sem. Session 2019-2020

S. No.	Particulars	Requirement (Nos)
1	Beaker Glass 400ml	40
2	Beaker Glass 250ml	80
3	Beaker Glass 100ml	80
4	Burettes Stop cock 50ml	50
5	Conical Flask 100ml	100
6	Pipettes Graduated 10ml	20
7	Pipettes Volume Transfer 10ml	50
8	Sintered Glass Crucible 30ml Grade-3	40
9	Sintered Glass Crucible 30ml Grade-4	40
10	Volumetric Flask 2 Litre	3
11	Volumetric Flask 1 Litre	3
12	Volumetric Flask 250ml	20
13	Volumetric Flask 100ml	50
14	Volumetric Flask 50ml	100
15	Semi Micro Test Tube 12x75	400
16	Boiling Tube 25x150	100

List of Acids and Ammonia required in the Department of Chemistry for 1st Sem. Session 2019-2020 from Chaudhary Chemical Works

S. No.	Name of Chemical	Pack size	Requirement (No. of Packs)
1	Ammonia 0.920	450ml	150
2	Ammonia 0.888	450ml	100
3	Acid Hydrochloric	3 Litre	20
4	Acid Nitric (Fuming)	500ml	2

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**List of Miscellaneous Items required in the Department of Chemistry for 1st Semester
2019-2020**

S. No.	Particular	Requirement
1	Beaker Plastic (Polylab) 500ml	24 Pcs
2	Beaker Plastic (Polylab) 250ml	60 Pcs
3	Chromatography sheet (46x57cm)	1 Pkt (100 Sheet)
4	China Dish	10 Dozen
5	Clamp with Boss (Finger Type)	100 Pcs
6	Distilled Water Plant (Electric)	4 Pcs
7	Filter Paper No-2 (ordinary)	20 Rims
8	Iron Stand base 9"x6" Rod 30"	50 Pcs
9	Sand Bath	100 Pcs
10	Spatula Steel 6"	10 Dozen
11	Thermometer 110°C - 27" long	100 Pcs
12	Thermometer 180°C - 24" long	100 Pcs
13	Thermometer 360°C	100 Pcs
14	Tripod Stand 8"x5"	50 Pcs
15	Watch Glass 4"	20 Dozen
16	Viscometer with joint (Duration of 90 to 180 Seconds)	50 Pcs
17	Wire Gauze with frame	50 Dozen
18	B. P. D. Aparatus	100 Pcs
19	Gas Passing Tube	50 Pcs
20	Pipette Pump 10ml	50 Pcs
21	Capillary Tube Glass	100 Gross


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Department of Botany
Requirement of Chemicals May-2019

S. No.	Name of Chemicals	Company Name	Quantity
1.	2,6 Dichlorophenol indophenols (DCPIP)	-	2X50gm
2.	Acetic acid / Glacial acetic acid	Rankem / CDH	2.5 liters
3.	Carmine	Rankem	10gm
4.	Acetone	Rankem / CDH	2X500ml
5.	AGAR EMB	-	100gm / minimum packing
6.	AGAR Nutrient	-	100gm / minimum packing
7.	AgNO ₃	CDH	10gm
8.	Alcohol Rectified	Govt. purchase	80 Ltrs.
9.	Butanol	Rankem / CDH	2.5 liters
10.	Calf thymus DNA (20mg)	SRL	40gm
11.	Hydrchloric acid Conc. (HCl)	Rankem / CDH	2.5-liters
12.	Sulphuric acid Conc. (H ₂ SO ₄)	Rankem / CDH	2.5 liters
13.	Crystal violet	Rankem	20gm
14.	Detergent powder	-	2X500gm
15.	Dialysis bag / Dialysis tubing (1 mtr.)	Spekpure	1X2 tube
16.	Diethyl ether	Rankem / CDH	4X500ml
17.	Ethephon	-	2X500gm
18.	Fehling A	Rankem	3X500ml
19.	Fehling B	Rankem	3X500ml
20.	Follin-phenol reagent	CDH	6X125ml
21.	Gibberellic acid/ Gibberellin A ₃	-	3X5gm
22.	Greece/ wax	-	1X500gm
23.	Indole 3 acetic acid (IAA)	-	3X5gm
24.	Iodine	CDH	50gm
25.	Iso propanol (2-propanol)	Rankem	4X500ml
26.	Isoamyl alcohol	Rankem	2X500ml
27.	Janus green	Iqbal Chemil	10gm
28.	KI (Potassium Iodide)	-	500gm
29.	Mannose	-	25gm
30.	Mercuric chloride	-	100gm
31.	Methanol / Lesmans Solution	Rankem	4X500ml
32.	Methyl alcohol	Rankem / CDH	2X500ml
33.	NaHCO ₃	Rankem / CDH	500gm
34.	NEED (N-(1-Naphthyl) ethylenediamine dihydrochloride ACS reagent)	-	5gm

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No.	Name of Chemicals	Company Name	Quantity
35.	Nutrient broth	-	100gm (Minimum packing)
36.	Petroleum ether	-	2X500ml
37.	pH Buffer Tablet (pH 3)	-	20 Tab
38.	pH Buffer Tablet (pH 4)	-	20 TabX5 or 25gmX5
39.	pH Buffer Tablet (pH 5)	-	20 Tab
40.	pH Buffer Tablet (pH 7)	-	20 TabX5 or 25gmX5
41.	pH Buffer Tablet (pH 8)	-	20 Tab
42.	pH Buffer Tablet (pH 9)	-	20 TabX5 or 25gmX5
43.	Phenol	Rankem / CDH	500gm
44.	Picric acid	-	500gm
45.	Potassium dihydrogen phosphate (KH ₂ PO ₄)	Rankem / CDH	12X500gm
46.	Potassium dihydrogen phosphate (K ₂ HPO ₄)	Rankem / CDH	10X500gm
47.	KH ₂ PO ₄ ; Na ₂ HPO ₄	Rankem / CDH	1X500gm
48.	Potassium hydroxide (KOH)	Rankem / CDH	5X500gm
49.	Potassium iodide (KI)	-	500gm
50.	Proline	CDH	25gm
51.	Readymade media packets	MS Media	5 packets
52.	Resorcinol	-	250gm
53.	Safranine	CDH	20gm
54.	Silica gel-G (powder)	-	500gm
55.	Sodium bicarbonate	Rankem / CDH	500gm
56.	Sodium potassium tartarate	-	500gm
57.	Sodium Thiosulphate	-	250gm
58.	Streptomycine sulphate	-	2X5gm
59.	Sucrose	Rankem / CDH	22X500gm
60.	Sudan-III	-	5gm
61.	Universal Indicator	-	50ml
62.	Urea	-	250gm
63.	Whatman no 1 paper 125mm Cat. No. 1001125	Whatman no. 1	100X15
64.	Xylose	CDH	25gm


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Department of Botany Requirement of Material, May-2019		
S. No.	Name of Material	Quantity
ALGAE		
1.	Polysiphonia tetra-sporophyte	1 Unit
	Polysiphonia Antheidia	1 Unit
	Polysiphonia Cysto carp	1 Unit
2.	Vaucheria sexual	1 Unit
3.	Coleochaete Discoid	1 Unit
	Coleochaete Zygot	1 Unit
PTERIOPHYTA		
4.	Equsetum cone	4X5 units
GYMNOSPERM		
5.	Cycus Microsporophyl	4X5 units
6.	Cycus Coloroid Root	4X5 units
FUNGI		
7.	Puccinia Teleudospores	4X5 units
8.	Peziza	2X5 units
9.	Alternaria saprophytic culture	4X5 units

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of glasware and plasticware	
volumetric Flasks (with lid) 100ml	25
Biurettes (50 ml)	15
Conical Flasks (100ml)	25
Conical Flasks (250ml)	25
Beakers (250 ml)	10
Beakers (100 ml)	25
spirit lamps	15
Fine capillaries for withdrawing blood	5 boxes
Whatman #1	2 boxes
Lancelet	4 boxes
200 ul microtips	1 box
1ml microtips	1 box
Wide mouth glass bottles (250 ml)	2 pkts
Wide mouth glass bottles (250 ml) amber	2 pkts
Wide mouth glass bottles (500 ml)	2 pkts

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acid	500 g
xylic acid	100 g
ammonium sulfate	500 g
Casein	100 g
Ninhydrin	100 g
Iodine	100 g
Starch	500 g
Phenyl hydrazine	500 g
Cupric acetate	500 g
Resorcinol	100 g
Sodium carbonate	500 g
Na ₂ HPO ₄	500 g
KH ₂ PO ₄	500 g
KCl	500 g

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	500 ml
	500 ml
absolute alcohol	10 l
90% alcohol	20 l
DPX	500ml
Orcinol	10 g
Diphenylamine	100 g
Tryptone	500 g
D-glucose	500 g
LB Broth	500 g
LB Agar	500 g
Ampicillin	5 g
Glucose	500 g
Tris-HCl	250 g
EDTA	500 g
SDS	250 g
NaOH	500 g
Potassium acetate	250 g
Isopropanol	500ml
Absolute alcohol	2 x 500 ml
Agarose	100 g
Bromo phenol blue	2 g
Ethidium bromide	2 g
Restriction Enzyme Hind III	1 kit
Restriction Enzyme EcoRI	1 kit
DNA marker supermix	1 kit (100ug)
Lambda DNA	60 ug
Lambda EcoRI digest (commercial)	1 kit
Lambda Hind III digest (commercial)	1 kit
Lambda Hind III + EcoRI double digest (commercial)	1 kit
Competent cell preparation kit	1
Southern hybridization teaching kit	1
ODD kit	1
Immunoelectrophoresis kit	1
ABO typing kit	1
Sodium Nitrate	100 g
Lead acetate	100 g
Mercuric sulfate	250 g
Copper sulfate	500 g

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Chemicals (Analytical Grade)


Glucose	500 g
Fructose	500 g
Galactose	500 g
Lactose	500 g
Maltose	500 g
Sucrose	500 g
Starch	500 g
Bovine Serum Albumin	100 g
Albumin	100 g
Casein	100 g
Gelatin	100 g
Olive Oil	100 ml
Mustard Oil	100 ml
Ghee	100 ml
Alanine	100 g
Aspartic Acid	100 g
Glutamic Acid	100 g
Glycine	100 g
Proline	100 g
Reagents for carbohydrate, protein, and lipid tests	
Reagents for Salivary Amylase activity experiments	
Folin's Phenol	100 ml
CDNB (1-chloro- 2,4- dinitrobenzene)	50 g
DTNB (Dithiobis nitrobenzoic acid)	50 g
PNPP (Para- nitrophenylphosphate)	50 g
Commercial Trypsin	100 g
Commercial Lipase	100 g
Metaphosphoric acid	100 g
2,6 dichlorophenol	100 g
Sodium tungstate	100 g
Fehling A & B	100 g
Ammonia solution	100 g
Calcium chloride (anhydrous)	500 g
Blood glucose estimation kit	2
ABO kit (Blood grouping)	1
Ammonium hydroxide	500 g
Acetone	3L
Urea	250 g

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Department of Botany
Requirement of Glasswares / Miscellaneous May-2019

S. No.	Name of Item	Company Name	Quantity
1.	Aluminium foil	-	25 Pkts.
2.	Blades	Wilkinson	10 Pkts.
3.	Blotting paper	-	3 Rim
4.	Cotton (500gm Roll)	-	3 Roll
5.	Forceps Large	-	3
6.	Forceps Medium	-	6
7.	Ice bucket	-	5 Nos.
8.	Loops	-	10 Nos.
9.	Muslin cloth	-	30 Méters
10.	pH paper .	All range	2 set box
11.	Sieve set (100, 200, 300)	-	2 Set
12.	Test tube brush large	-	2 Dozen
13.	Test tube brush medium	-	5 Dozen
14.	Test tube stand	Plastic	30
15.	Tooth pick	-	5 Pkts.
16.	Whatman filter paper no. 1 (125 cm)	Whatman no. 1	20 Pkts.


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Department of Botany
Requirement of Glasswares, May-2019

S. No.	Name of Chemicals	Company Name	Quantity
1.	Beaker 500ml	Borosil	10 Pcs.
2.	Beaker 250ml	Borosil	20 Pcs.
3.	Beaker 100ml	Borosil	25 Pcs.
4.	Beaker 50ml	Borosil	50 Pcs.
5.	Burettes 50ml	Borosil	30 Pcs.
6.	Capillary tubes	Borosil	Thin-10 Pkts.
7.	Conical flask 100ml	Borosil	25 Pcs.
8.	Conical flask 250ml (for filtration physiology)	Borosil	25 Pcs.
9.	Conical flask 500ml	Borosil	10 Pcs.
10.	Cover slips	Blue Star	20 PktsX4
11.	Culture tube	Borosil	50 Pcs.
12.	Cuvettes (Spectopotometer)	Good quality	1 Box
13.	Dropper Large	Good quality	3 Dozen
14.	Dropper Medium	Good quality	4 Dozen
15.	Funnel Medium	Borosil	15
16.	Funnel Small	Borosil	15
17.	Glass Pipettes 5ml	-	20 Pcs.
18.	Measuring cylinder 1 liter	Borosil	3 Pcs.
19.	Measuring cylinder 100ml	Borosil	20 Pcs.
20.	Micro centrifuge tube (1ml)	Tarson	1 Box
21.	Micro centrifuge tube (1.5ml)	Tarson	1 Box
22.	Micro centrifuge tube / Eppendorf (2ml)	Tarson	1 Box
23.	Micro tips (200-1000µl)	Tarson	1 Box
24.	Micro tips (2-500µl)	Tarson	1 Box
25.	Micro tips (2-200µl)	Tarson	1 Box
26.	Mortar & pestle large	-	10 Nos.
27.	Petri plates Big Size 6"	Borosil	10 Pair
28.	Petri plates Medium 4"	Borosil	30 Pair
29.	Petri plates Small 2"	Borosil	30 Pair
30.	Slides	Blue star	5X10 Pkts.
31.	Stage & Ocular micrometer	Good Quality	5 Set
32.	Test tubes	Borosil	600

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