

QUOTATION NOTICE

Sealed quotations are invited for supply of Scientific equipments/materials for the practical based labs of Rajendra College, Chapra. The department wise lists of scientific equipments/chemicals are appended below.

The prices quoted shall be inclusive of all taxes, duties and charge for delivery and installation charges (if any). The Quotation should reach to the office of the undersigned By POST/COURIER IN SEALED ENVELOPES ONLY on within fifteen (15) days from the publication of this notice. The envelope containing quotation(s) should be superscribed as "Quotation for the supply of Lab Equipments/Chemicals".

Date: 18/12/2023

Principal 18/12/23
Rajendra College
Chapra

18/12/23 J. S. Mishra 18/12/2023

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Date: 18/12/2023

Principal 18/12/23
Rajendra College
Chapra

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Principal
Rajendra College, Chapra

Department of Chemistry

1. List of Equipments

S.No.	Equipment Name	Unit/quantity
1	Single stage vacuum pump (Millipore)	1
2	Table Top electronic balance(300gm)	2
3	Digital Chemical balance(capacity 100gm)	2
4	Heating Mantle	2
5	TLCP Late	2 packet
6	UV Chamber with tube light	1
7	Magnetic Stirrer with hotplate/oil bath	2
8	Desktop computer (i5/i7,8GBRAM,1TBHDD, Monitor-18inch,window10)& printer	1
9	Computer Table	1
10	Almirah for keeping the chemicals	4
11	Metal racks for keeping the glassware	8
12	NMR tube	10
13	Magnet pallette	10
14	Micropipette(100-1000uL)	1
15	Micropipette(10-100uL)	1
16	Tip for Micropipette(100-1000uL)	1packet
17	Tip for Micropipette(10-100uL)	1packet
18	Eppendorf(2-5mL)	1packet

2. List of required chemicals

S. No.	Chemical Name	Unit/quantity
1	Ethanol	6x500mL
2	Acetone	6x500mL
3	Hexane	2x500mL
4	Ethyl Acetate	2x500mL
5	Acetonitrile	500mL
6	Dimethyl formamide (DMF)	4x500mL
7	Dimethyl Sulphoxide(DMSO)	500mL
8	Dichloro methylene(DCM)	500mL
9	Dichloroethylene DCE	500mL
10	Toluene	500mL
11	Methanol	4x500mL
12	RhodamineB	2x25g
13	Rhodamine6G	25g
14	Hydrazinehydrate	2x50g
15	2-hydroxy-4-nitrobenzaldehyde	100mL
16	2-hydroxy-4-(n,ndimethylamine) benzaldehyde	100mL
17	2-hydroxy-4-Chlorobenzaldehyde	100mL
18	2-hydroxy-4-Methoxybenzaldehyde	100mL
19	3,5dichlorobenzaldehyde	100mL

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20	3,5dinitrobenzaldehyde	100mL
21	3,5dimethoxybenzaldehyde	100mL
22	Potassium Carbonate	4x500gm
23	Sodium Carbonate	4x500gm
24	Sodium Chloride	4x500gm
25	Potassium Hydroxide	4x500gm
26	Triethylamine	2x500mL
27	Aniline	4x500mL
28	Barbutiric Acid	500gm
29	4-chloroaniline	500mL
30	4-Nitroaniline	500mL
31	Ortho toluidine	500mL
32	Para toluidine	500mL
33	Cupric Chloride	100gm
34	Ferric Chloride anhydrous	100gm
35	Phenyl Hydrazine	500gm
36	1,2benzene diamine	500gm
37	Thiourea	500gm
38	Urea	500gm
39	p-Anisidine	500mL
40	m-Anisidine	500mL
41	p-bromoaniline	500mL
42	Ortho-ethylaniline	500mL
43	Acetic Anhydride	4x500mL
44	POCl ₃	4x500mL
45	Ammonium Acetate	2x500gm
46	Gaunidine	500gm
47	Thiobarbutiric acid	500gm
48	Malono nitrile	500mL
49	Acetyl acetone	500mL
50	Dimethyl malonate	500mL
51	Ethyl cyanoacetate	500mL
52	Ethyl acetoacetate	500mL
53	Bromine Water	500mL
54	Chloroform	500mL
55	Phenophthale in powder	2x100gm
56	Methyl Orange	1x100gm
57	Phenol	1x500gm
58	Resorcinol	1x500gm
59	Sodium potassium tartarate	500gm
60	Copper Sulphate	500gm
61	Phthalic anhydride	500gm
62	DNP	500gm
63	Silver nitrate	500gm
64	Iron sulphide	400gm
65	Sulphuric Acid	4x500mL

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66	Nitric acid	2x500mL
67	Hydrochloric acid	4x500mL
68	Ammonium Molybdate	500gm
69	Acetic Acid	500 mL
70	Ammonium Hydroxide	4x500mL
71	Ammonium Sulphide	2x500gm
72	Iodine Granules	2x500gm
73	Sodium Bicarbonate	4x500gm
74	Ferric Chloride	2x500gm
75	Lead acetate	2x500gm
76	Dimethyl glyoxime	500gm
77	Alpha naphthol	500gm
78	Beta Naphthol	500gm
79	Oxalic Acid	4x500gm
80	Ferrous Ammonium Sulphate	4x500gm

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Department of Geography

Rajendra College, Chapra.

INSTRUMENTS FOR GEOGRAPHY LAB

Sl.N.	INSTRUMENTS
1.	Geological Map, Weather Map, Land Use Map, Other 2d or 3d Map or Diagram,
2.	Simple Thermometer, Wet and Dry bulb, Thermometer, Barometer, Wind vane and Anemometer, Rain Gauges
3.	Tape, Chaining arrows or pins, Ranging Rod, Cross Staff, Optical Square, Trough Compass, Plumb bob
4.	Plane table and Tripod Stand, Alidade, Spirit Level, Plumbing Fork and Plumb bob, Chain or Tape, Trough Compass, Chaining arrows or pins, Ranging Rod, Drawing Sheet, Pin etc.
5.	GPS, Surveying Umbrella etc.
6.	Hardware and software for Remote Sensing and GIS

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Department of Physics
Rajendra College, Chapra

List

List of required experiments in the Physics Lab

S.N.	Name of the experiment (Apparatus/setup)	Quantity
1	Ohm's Law	02
2	Meter's Bridge	02
3	Parallelogram Law of Force	02
4	Viscosity Apparatus by Capillary Flow Method	02
5	Joules Mechanical Heat Experiment	02
6	Newton's ring Experiment	02
7	Zeeman Effect with a Laser Source	01
8	Young's Modulus Elliptical Fringe Method	01
9	Semiconductor Band Gap Experiment	01
10	Resistance-02, Capacitors-02, Prism-02	Total -06

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Department of Zoology
Rajendra College, Chapra-841301

Sl. no.	Name of Chemical	Quantity
1.	Formalin	10 ltr
2.	Glacial Acetic Acid	10 ltr
3.	Absolute Alcohol (Molecular Biology : MB Grade; Lab Ethanol)	20 ltr
4.	Square Cover Slip	10 Pkt (of 10 boxes)
5.	Rectangular Slides (Non-frosted)	10 pkt (of 10 boxes).
6.	Haematoxylene powder (Water Soluble; WS)	250 gm
7.	Eosine powder (Alcohol soluble)	250 gm
8.	Xylene	1 ltr
9.	Paraffin	1 kg
10.	Leishman's Stain (Aq)	2 ltr
11.	RBC Dilution Fluid (Hayem's Fluid)	1 ltr
12.	WBC Dilution Fluid (Turk's Solution)	1 ltr
13.	Hydrogen Peroxide (H ₂ O ₂ ; Molecular Biology : MB Grade)	1 ltr
14.	Potassium Dichromate (K ₂ Cr ₂ O ₇ ; Molecular Biology : MB Grade)	500 gm
15.	Bradford's Reagent	1 ltr
16.	Glucose Estimation Kit (Glucose Strip Method)	5 Kits
17.	Bouin's Fluid	1 ltr
18.	Micro Pipette (10µl-100µl) (Variable volume)	2 pcs
19.	Micro Pipette (100µl-1000µl) (Variable volume)	2 pcs
20.	Micro tips (10µl-100µl)	1 pkt
21.	Micro tips (100µl-1000µl)	1 pkt
22.	Tip Box (10µl-100µl)	1 box
23.	Tip Box (100µl-1000µl)	1 box
24.	Urea Estimation Kit	2 Kits
25.	Anthrone Reagent	1 kg
26.	Sulfuric Acid (H ₂ SO ₄) (Conc.)	1 ltr
27.	Hydrochloric Acid (Conc.)	1 ltr
28.	Type specimens of animals (Invertebrates) (from Porifera to Echinodermata)	Sycon, Euplectella, Jelly Fish, Porpita, Metridium, Hormiphora, Boeroe, Leech, Polychaeta, Taenia, Liver fluke, Ascaris, Wucheraria, Cockroach, Spider, Scorpion, Honey Bee, Pila, Dentalium, Asterias, Sea Urchin.
29.	Type specimens of animals (Chordates) (from Hemichordata to Cephalochordata)	Balanoglossus, Branchiostoma, Doliolum...

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30.	Type specimens of animals (Vertebrates) (from fishes to mammalian)	Rohu, Catla, Hyla, Bufo, Naja, Tortoise, Pigeon (Taxoderm), Sparrow (Taxoderm), Bat (Taxoderm), Rat (Taxoderm).
31.	Histological Slides	T.S. of mammalian Testis, Ovary, Liver, Thyroid, Adrenal, Pancreas, Pitutary, Blatula, Gastrula, Whole mount of Chick embryo (24 hrs., 36 hrs., 48 hrs., 72 hrs.).

Handwritten signature and date: 18/12/2023