

DEPARTMENT OF CHEMISTRY

Equipment and Glassware required for B.Sc - Practicals

(For one batch of 25-30 students)

S.No	Name of the Equipment (With Specifications)	Make	HACA (unit price in Rs.)
1	Analytical balance	Keroy	3920
	Analytical balance	Precision	3136
2	Analytical balance Weigh box (0.1 mg- 100 mg)	Acculab	1421
	Analytical balance Weigh box (0.1 mg- 100 mg)	LAFCO	1225
3	Atomic model set inorganic molecules - Euro model	First - Q	1911
4	Atomic Model set organic molecules - Euro Model	POLYLAB	3136
5	Balance Digital - 0.1mg -300 mg front loading , LCD Display stainless steel pan	Wensar	9604
	Balance Digital - 0.1mg -300 mg front loading , LCD Display stainless steel pan	Keyroy	11760
6	Beaker -capacity 100 ML	Borosil	72
	Beaker -capacity 100 ML	Bsgw Avon Glass (R)	51
7	Beaker -capacity 250 ML	Borosil	75
	Beaker -capacity 250 ML	Bsgw Avon Glass (R)	57
8	Beaker -capacity 500 ML	Borosil	120
	Beaker -capacity 500 ML	Bsgw Avon Glass (R)	88
9	Beaker -capacity 1000 ML	Borosil	250
	Beaker -capacity 1000 ML	Bsgw Avon Glass (R)	186
10	BOD Bottles 300 ML	Borosil	560
	BOD Bottles 300 ML	Bsgw Avon Glass (R)	451
11	BOD incubator (Orbital Shaling Cum BOD Incubator) 16 Flask/ BTI -2518X18X18,400 watts)	Biotechnics	128331
	BOD incubator (Orbital Shaling Cum BOD Incubator) 16 Flask/ BTI -2518X18X18,400 watts)	LAFCO	24500
12	Boiling Tubes 20 ml 25x150mm	Borosil / Bsgw Avon-Glass - (R)	25
13	Bottle Opener	Hoverlabs	54
14	Bucket Plastic	polylab	147
15	Buckner Flask	Borosil/Bsgw Avon- Glass - (R)	180
16	Buckner Funnel Porecelain 75 mm, 3" thick steam	J- Brand	167
17	Bunsen burners -Heavy base with stop cock	Lalco	172
18	Burette clamp - Fischer type- Heavy - powder coated	Hoverlabs/Lalco	176
19	Burette Stand heavy Size - 8"x5" Zine plated - rod size 24" long	Hoverlabs/Lalco	221
20	Burettes 50ML	Polylab	294
	Burettes 50ML	Borosil	620
21	Capillary tubes set of 100	BOXES	245
22	Centrifuge Machine electrical capacity 4x15 ml	Hoverlabs	980
	Centrifuge Machine electrical capacity 4x15 ml	REMI	7448
23	Centrifuge Machine hand driven capacity 4x15 ml	Hoverlabs	3920
	Centrifuge Machine hand driven capacity 4x15 ml	REMI	8722
24	Centrifuge Tubes capacity - 10ml/15 ml	Borosil	70
	Centrifuge Tubes capacity - 10ml/15 ml	Bsgw Avon- Glass - (R)	80
25	China dish porcelain 100ML/250 ML	J - Brand	118
	China dish porcelain 100ML/250 ML	J - Brand	176

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26	Chromatography column with ground joint medium	Borosil/Bsgw Avon- Glass - (R)	590
27	COD Reflux Assembly (RBF with reflex Condenser) set	Borosil/Bsgw Avon- Glass - (R)	1600
28	Colorimeter Digital - Micro Controller 8 Fliter. Wavelength range : 400 -640mm	INFRA (IR506 C)	8820
	Colorimeter Digital - Micro Controller 8 Fliter. Wavelength range : 400 -640mm	ELICO	13230
29	Condensor set - (Size - 24/29)	Borosil Glass	2660
30	Conductivity meter digital	INFRA (IR503 C)	11270
	Conductivity meter digital	ELICO (CM 180)	14700
31	Conical Flask - Capacity 100 ML	Borosil	80
	Conical Flask - Capacity 100 ML	Bsgw Avon- Glass - (R)	—
32	Conical Flask - Capacity 250 ML	Borosil	100
	Conical Flask - Capacity 250 ML	Bsgw Avon- Glass - (R)	—
33	Copper Turnings - 100G (KG)	Hoverlabs	172
	Copper Turnings - 100G (KG)	Jyothi	—
34	Crucibles - 50 ML/ 150 ML	Borosil	1250
	Crucibles - 50 ML/ 150 ML	Bsgw Avon- Glass - (R)	3626
35	Density bottle - 10 ML	Borosil	250
	Density bottle - 10 ML	Bsgw Avon- Glass - (R)	372
36	Distilled Water plant 61 Capacity , 4.5KW, Staineless steel chamber	LACO	13720
	Distilled Water plant 61 Capacity , 4.5KW, Staineless steel chamber	BIOTECH	17640
37	Droppers with conical Teat, Size 6"	Borosil	15
	Droppers with conical Teat, Size 6"	Bsgw Avon- Glass - (R)	—
38	Droppers with conical Teat, Size 8"	Borosil	20
	Droppers with conical Teat, Size 8"	Bsgw Avon- Glass - (R)	—
39	Filter Paper 500 Sheets	Kalpi	1470
40	First aid box (Surgical) big size		1470
41	Forceps stainelees steel	Shiv	—
	Forceps stainelees steel	Lalco	221
42	Funnel- Size 2"	Borosil/Bsgw Avon- Glass - (R)	75
43	Funnel- Size 3"	Borosil/Bsgw Avon- Glass - (R)	125
44	Fusion Tubes		529
45	Glass rods	Borosil/Bsgw Avon- Glass - (R)	18
46	Glass rods pointed	Bsgw Avob Glass (R)	25
47	Glazed tiles 6"*6"		294
48	Hot air oven (Size 18"x18"x18" - 95 L capacity)	Lalco (R)	19610
	Hot air oven (Size 18"x18"x18" - 95 L capacity)	Biotech (BT 129)	17640
49	Iodination Flask capacity 250 ML	Borosil/Bsgw Avon- Glass - (R)	300
50	Kipps Apparatus 300 ML	Polylab	833
	Kipps Apparatus 300 ML	bsgw Avon glass ®	2548

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51	LPG gas with Tata Pipeline Connection material and installation for 10 burners brass		17640
52	Measuring Cylinders - 5 MI	Borosil/Bsgw Avon- Glass - (R)	415
53	Measuring Cylinders - 10 MI	Borosil/Bsgw Avon- Glass - (R)	475
54	Measuring Cylinders - 50 MI	Borosil/Bsgw Avon- Glass - (R)	660
55	Measuring Cylinders - 100 MI	Borosil/Bsgw Avon- Glass - (R)	750
56	Measuring Cylinders - 1000MI	Borosil/Bsgw Avon- Glass - (R)	990
57	Melting Point Appartus - 2mLH	BIOTECHNIC INDIA (BTI 134)	5096
	Melting Point Appartus - 2mLH	LALCO	4851
58	Microwave oven 220 L	IFB 920SC220 L	7350
	Microwave oven 220 L		7330
59	Mortar & Pestle - 4 " Porcelain	J- BRAND	123
60	Pipette Volumetric 10 MI	Borosil/Bsgw Avon- Glass - (R)	520
61	Pipette Volumetric 20 MI	Borosil/Bsgw Avon- Glass - (R)	615
62	Pipette graduated 5 MI	Borosil/Bsgw Avon- Glass - (R)	490
63	Pipette Pump	POLYLAB	608
64	PH meter - PH range 1 - 14, resolution 0.01 : temparature range 0-100° C	Digisun	7350
	PH meter - PH range 1 - 14, resolution 0.01 : temparature range 0-100° C	INFRA (IR 501)	9800
	PH meter - PH range 1 - 14, resolution 0.01 : temparature range 0-100° C	ELICO(L1 -120)	13720
65	Polythene cans 5 L	Chetan	123
	Polythene cans 10L	Chetan	196
	Polythene cans 20 L	Chetan	245
66	Potentio Meter Digital	INFRA IR511 B	9936
	Potentio Meter Digital	ELICO ____120)	13720
67	Reagent bottile - 100 ML	Borosil/Bsgw Avon- Glass - (R)	300
68	Reagent bottile - 250ML	Borosil/Bsgw Avon- Glass - (R)	325
69	Reagent bottile with wide mouth	Borosil/Bsgw Avon- Glass - (R)	300
70	Refrigerator domestic type 200 L	LG	14700
	Refrigerator domestic type 200 L	Voltas	13720
71	Rough balance 5 Kg	Hoverlabs	980
	Rough balance 5 Kg	LALCO	1274
72	Round bottomed flask 250 ml	Borosil/Bsgw Avon- Glass - (R)	250
73	Rubber cork ONE HOLED assoted sizes	Hoverlabs	34
74	Separating Funnel 250 ML	Borosil/Bsgw Avon- Glass - (R)	1400

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75	Solution container 2 L	Glass SET	490
	Solution container 2.5 L	Glass SET	735
	Solution container 5 L	Glass SET	980
76	Spatula Size 6 " stainless steel - Superior Quality	Acculab	172
77	Stalagmometer	Borosil	90
	Stalagmometer	Bsgw Avon- Glass - (R)	78
78	Standerd Flask 100 ML	Borosil	265
	Standerd Flask 100 ML	Bsgw Avon- Glass - (R)	221
79	Standerd Flask 250 ML	Borosil	285
	standerd Flask 250 ML	Bsgw Avon- Glass - (R)	260
80	Standerd Flask 500 ML	Borosil	680
	Standerd Flask 500 ML	Bsgw Avon- Glass - (R)	470
81	Stop Clock	Acculab	588
	Stop Clock	ESSAL (ST/1)	809
82	Suction Flask 500 ML	Borosil	685
	Suction Flask 500 ML	Bsgw Avon- Glass - (R)	529
83	Suction Pump Low pressure	Hoverlabs	6370
	Suction Pump Low pressure	LALCO	7350
84	Test Tube brushes		8
85	Test Tube Holder - Chromium plated with wooden handle-Iron	Acculab	25
86	Test Tube stand -10 Racks	POLYLAB	245
87	Test Tube (Boiling)18X 150	Borosil	25
	Test Tube (Boiling)18X 151	Bsgw Avon- Glass - (R)	18
88	Test Tube (Boiling)15X 125	Borosil	13
	Test Tube (Boiling)15X 126	Bsgw Avon- Glass - (R)	10
89	TLC Sheets (Silicage Coated Alluminium Sheets) set of 25	Merck	5390
90	TLC Chambers	Borosil/Bsgw Avon- Glass - (R)	1100
91	TLC Iodination Chamber	Borosil/Bsgw Avon- Glass - (R)	350
92	TLC UV Chamber	Acculab	7350
93	Tripod Stand	LALCO	123
	Tripod Stand		245
94	Vaccum decicator - 100 mm Ground Flange	Borosil/Bsgw Avon- Glass - (R)	5000
95	Vaccum Pump low pressure	BIOTECH	18620
96	Viscometer	Avon - Glass ®	157
97	Wash bottle 250 ML	POLYLAB	147
98	Watch Glass Small/ Medium	Borosil	95
	Watch Glass Small/ Medium	Bsgw Avon- Glass - (R)	103
99	Water bath heavy duty made of copper Size - 6"- Superior	LALCO	392
	Water bath heavy duty made of copper Size - 6"- Superior		388
100	Water Circulation pump 0.025 HP Capacity & rubbers tybes set	Acculab	1764
101	Whatman Fliter paper grade 1 Circular	Whatman	2156
102	Wire guage - 6"x6" - with frame double asbestos		44
103	Racks for Reagents wood/steel	Godrej	—

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S.No	Name of the Equipment (With Specifications)	Make	HACA (unit price in Rs.)
104	Iron almirah with glass	Godrej	—
105	Iron almirah	Godrej	—
106	Lab tables wooden with asbestos sheets		—
107	Stools		—

Commissiонер of Collegiate Education &
State Project Director, RUSA