

<b>Government Degree College Khairatabad, Hyderabad, Telangana</b>		
<b>DEPARTMENT WISE LIST OF LAB EQUIPMENT</b>		
<b>S.No.</b>	<b>Name of the equipment/Instrument</b>	<b>Total Nos</b>
<b>DEPARTMENT OF MICROBIOLOGY</b>		
1	Autoclave	1
2	Autoclave Big	1
3	Centrifuge Table Top	1
4	Digital Balance	1
5	Colorimeter	1
6	Distillation Unit	1
7	Colony Counter	1
8	Incubator	1
9	Microscope	10
10	Micropipette	3
11	Laminar Flow Chamber	1
12	Microwave Oven	1
13	Microscope Binocular	1
14	Water Bath	4
15	Hot air oven	1
16	Hemoglobinometers	4
17	Ocular Micrometer	2
18	Stage micrometer	3
19	Neubauer chamber	1
<b>DEPARTMENT OF PHYSICS</b>		
1	AC digital Voltmeter	1
2	AC milli Voltmeter	8
3	Aluminum with hooks in all planes (weight 800 gm - Al)	2
4	Ammeter	25
5	Ammeter (micro)	31
6	Ammeter (milli)	25
7	Analogue weighing machine (upto 5 kg)	1
8	Analytical weight box	2
9	Astronomical telescope	1
10	Audio oscillator	14
11	Ballistic galvanometer	7
12	Bar magnets	8 pairs
13	Bar ringers balance (rough balance)	2
14	Battery eliminator	6
15	Beakers plastic	4

16	Beakers (500 ml)	4
17	Bench clamps with knife edges	5
18	Bending of beam apparatus	1
19	Bifilar pendulum	3
20	Biprism assembly	2
21	Calorimeters	6
22	Capillary tube	8
22	Capillary tube of uniform bore with rubber cork	4
23	Carey Foster's bridge	8
24	Charge and discharge key	4
25	Charts	5
26	Clement and Desorme's apparatus	2
27	Compound pendulum	5
28	Convex lenses	11
29	Connecting wires multi stand	4
30	Coupled oscillator	5
31	Crown Prism (Dispersive power of prism)	2
32	Damping of oscillating disc	4 sets
33	DC power supply	5
34	Decade inductance box	1
35	Diffraction Grating 2500 lpi	2
36	Digital logic trainer	4
37	Digital multi meter	2
38	Diode laser setup with builtin power supply	2
39	DPDT switches	6
40	Dynamic torsion apparatus	4
41	e/m apparatus	9
42	Electric heater	2
43	Elliptically polarised apparatus	1
44	Energy gap of semiconductor	3
45	Energy Gap of Intrinsic Semiconductor Circuit Board-Apparatus	2
46	FET boards	3
47	FET voltmeter board	1
48	Film Projector	2
49	Fly wheel	7
50	Fortines Barometer	1
51	Galvanometer (panel type)	19
52	Galvanometer	2
53	Half adder, Full adder sets	2
54	Half wave-full wave DC power supply	3
55	Hand lamp	5

56	Hand magnifiers	3
57	Heating Efficiency of an Electrical Kettle with varying voltages set	4
58	Hot plate with thermostat	4
59	Hydrogen discharge tube	2
60	Hydrostatic sinkers	2
61	Hysteresis apparatus	3
62	I-H curve magnetometer	2
63	Jolly's bulb apparatus	2
64	Kater's pendulum	3
65	Lamp and scale arrangement	8
66	LASER	8
67	LCR circuit boards	9
68	Lee's apparatus	4
69	Lees disc apparatus including 3 bad conductor discs	4
70	Logic gates	7
71	Magnifying glass (Reading lens) Newton's Rings Apparatus	2
72	Measuring Jar (plastic)	2
73	Maximum Power Transfer Theorem circuit Board	3
74	Melde's apparatus	14
75	Mercury	1 kg
76	Mercury vapour lamp+transformer	1
77	Mercury vapour lamp setup	2
78	Metal stands	12
79	Meter scales (1/2m)	14
80	Meter scales (1m)	15
81	Milikan oil drop experiment	1
82	Multimeters	4
83	Newton's rings microscopes	8
84	Newton's law of cooling apparatus	4
85	Newton's Rings Apparatus	2
86	Nodal slide apparatus	1
87	Optical bench and accessories	2
88	Oscilloscope	2
89	Photocell apparatus	7
90	Photocell filters	2
91	Physical balance	12
92	Physical weigh boxes	8
93	Physical weight boxes(1,2,5,10,20,50,100,200 gms)	2
94	Plane transmission grating	2
95	Plug commutator	9

96	Polarimeter	12
97	Potentiometers	5
98	Pressure rubber tube (20 mts)	4
99	Prisms (equilateral)	7
100	Pulfrich refractometer	6
101	RC circuit board	6
102	RC copled amplifier board	5
103	RC phase shift oscillator board	1
104	Reading telescope	6
105	Resistance boxes (dial type)	17
106	Resistance boxes (plug type)	55
107	Rheostats	13
108	Rubber Cork with hole at the center	4
109	Rubber stoppers with holes (2)	4
110	Screw guage	4
111	Screw Gauge 20 mm steel screw superior	2
112	Self inductance coils	4
113	Signal generators	3
114	Simple pendulum bobs	6
115	Single plug key	24
116	Single resistance	6
117	Slit for resolving power of a telescope	13
118	Slit for resolving power with micrometer head	2
119	Slotted weight	15
120	Sodium vapour lamp+transformer	3
121	Sodium Vapor lamp setup	2
122	Sonometers	17
123	Spectrometer	12
124	Spectrometer (60' and 175 mm scale with round adjustable slit)	2
125	Spherometer	6
126	Spirit level	2
127	Spirit levels	3
128	Steam boilers	2
129	Steam generator (boiler) 1 Litr.	4
130	Stewart and Ghee's apparatus	2
131	Stop clocks	26
132	Stop clocks (digital)	15
133	Stop watches (small)	4
134	Super Position Theorem circuit board with 2 digital meters	3
135	Tap keys	7

136	Telescope for resolving power	2
137	Thermistor boards	3
138	Thermistors	2
139	Thermometers (0.1 degree least count)	2
140	Thermometers	7
141	Thermister characteristics setup with builtin calorimeter, variable resistance, power supply, Galvanometer and thermometer	4
142	Thevenin's and Norton's Theorem circuit Board with 1 digital meters	3
143	Torsion apparatus (horizontal)	4
144	Transistor characteristics board	6
145	Travelling microscopes	12
146	Travelling Microscope Horizontal, Vertical scale, ross motion	1
147	Tuning forks	11
148	TV set with accessories	1
149	Two way plug key	4
150	Variable Resistance Box (100 ohms)	3
151	Vernier callipers	18
152	Vernier Calliperse student grade with wheel	2
153	Vertical reading microscope	1
154	Voltmeter(DC)	65
155	Wedge method-thickness of wire setup	2
156	Weight hangers (5x50 gms, slotted weights)	2
157	Wire mesh	2
158	Wiremesh	2
159	Wooden meter scales superior quality	4
160	Young's modulus of bending of beam heavy metal strip, table clamp with knife edges & weight carrier for uniform & nonuniform bending	2
161	Young's modulus apparatus	1
162	Zener diode characteristics boards	2
163	Zener regulated power supply	5
164	Micrometer screws	9
165	Multimeter	2
<b>DEPARTMENT OF BOTANY</b>		
1	OHP	1
2	Tripod stand	1
3	Tripod Strand Screen	1
4	Binocular microscope	2
5	Digital balance	1
6	Charts cabinets	4
7	Electronic balance	1
8	Electronic balance with wind shield	1

9	Hot plate	1
10	Analytical balance	1
11	Digital Colorimeter	2
12	Centrifuge	2
13	Chromatography chambers	5
14	Compound Microscopes	8
15	Water bath	1
16	Cylinder	1
17	Stove	1
18	Desiccator	1
19	Herbarium press	1
20	Hot air oven	1
21	Laminar air flow	1
22	Incubator	1
23	Dissecting microscopes	10
24	Burette stands	6
25	pH meter	1
26	LCD projector	
<b>DEPARTMENT OF ZOOLOGY</b>		
1	Dissection microscopes	8
2	Compound microscopes	42
3	Monocular microscopes	13
4	Illuminator microscopes	10
5	Projection microscopes	02
6	Weighing machine	1
7	Hot plate round	1
8	Aquarium	1
9	Liberty vision 285 portable	1
10	Hot plate round	1
11	Electric balance	2
12	Digital pH meter	5
13	PH meter with glass rod	1
14	Colorimeter	1
15	Human skeleton	1
16	Single distillation unit (Orbit)	1
17	Fridge (Alwyin & Haier)	2
18	Regulated hot water bath	2
19	Incubator (Matri)	1
20	Sahli's Heamoglobinometer	10
21	Neubar haemocytometer	03
22	ELISA kit	03

23	Horizontal slab gel electrophoresis	02
24	Laboratory oven	01
25	Digital balance 1mg	01
26	Digital balance 10 mg	01
<b>DEPARTMENT OF CHEMISTRTRY</b>		
<b>S.No.</b>	<b>Name of the Equipment</b>	<b>Quantity</b>
1	Colorimeter Digital	8
2	Centrifuge machine	5
3	PH Meter	9
4	Melting point Apparatus	2
5	Conductivity Meter	4
6	Top load Weighing Machine	1
7	Single pan balance	1
<b>DEPARTMENT OF BIOTECHNOLOGY</b>		
1	Incubator	1
2	Digital colorimeter	1
3	Hot plate	1
4	Autoclave	1
5	Bensen burners	4
<b>COMPUTER SCIENCE AND APPLICATIONS</b>		
1	LAB:1 - Computers	23
2	Printers	2
3	UPS	1
4	LAB:1 - Computers	28
5	UPS	01
6	Printers	1
<b>TSKC LAB</b>		
1	Computers	27
2	Mouse	27
3	CPU	27
<b>PHYSICAL EDUCATION</b>		
1	Volley-Balls	16
2	Tenni-Koit (Ring)	24
3	Chess Board with Coin	10
4	Carom Board - Old	02
5	Carom Board-New	03
6	Table tennis – Rackets	20
7	Table tennis balls boxes	20
8	Shuttle Rockets	06
9	Volley Ball Net	02
10	Stopwatches	01

11	Tape measuring	01
12	Weighing machine (Electronic)	01
13	Weighing machine (manual)	01
14	Medicine Balls	02
<b>GYMANSIUM</b>		
	<b>Eight stations</b>	
1	3 kg dumbbells	03 sets
2	5 kg dumbbells	05 sets
3	10 kg dumbbells	04 sets
4	15 dumbbells	04 sets
5	20 kg dumbbells	04 sets
6	Leg Raiser bench	01
7	Hands strengthening unit	01
8	Back strengthening unit	01
9	Tread mill	01