



# KAKATIYA GOVERNMENT COLLEGE, HANUMAKONDA

**Dist: HANUMAKONDA, TELANGANA STATE – 506001**

(Affiliated to Kakatiya University, Warangal)

An ISO 9001:2015 Certified Institution

(e-mail: warangal.jkc@gmail.com, website: <https://gdcts.cgg.gov.in/hanamkonda.edu>)



## 4.1.1 - Details of Infrastructure and Physical facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc.

### Details of Laboratories and equipments:

SCIENCE LABS/COMPUTER LABS		
TYPE OF ROOM	DIMENSIONS (FT)	AREA (SFTS)
<b>1. BOTANY LABS</b>		
DEPT.OF BOTANY (STAFF ROOM)	21 X 23	483
BOTANY LAB -1	30 X 26	780
BOTANY LAB - 2	22 X 21	462
BOTANY RESEARCH LAB	21X 11	231
<b>2. ZOOLOGY LABS</b>		
DEPT.OF ZOOLOGY (STAFF ROOM)	21 X 16	336
ZOOLOGY LAB - 1	36 X 26	936
ZOOLOGY LAB - 2	26 X 10	260
ZOOLOGY MUSEUM	20 X 10	210
<b>3. PHYSICS LABS</b>		
DEPT.OF PHYSICS(STAFF ROOM)	26 X 22	572
PHYSICS LAB -1	26 X 19.5	507
PHYSICS LAB -2	26 X 22	572
PHYSICS LAB -3	26 X 11	286
DARK ROOM	26 X 22	572
<b>4. CHEMISTRY LABS</b>		
DEPT.OF CHEMISTRY (STAFF ROOM)	26 X 19.5	507
CHEMISTRY LAB - 1	26 X 10	260
CHEMISTRY LAB - 2	10.5 X 26	273
CHEMISTRY LAB – 3 (BALANCE ROOM)	26 X 20	520

CHEMISTRY LAB - 4	26 X 20	520
CHEMISTRY LAB – 5(RESEARCH LAB)	26 X 10	260
<b>5. COMPUTER SCIENCE LABS</b>		
DEPT.OF COMP.SCIENCE & APPLICATIONS (STAFF ROOM)	21 X 11	231
COMPUTER SCIENCE LAB - 1	21 X 28	588
COMPUTER SCIENCE LAB - 2	26 X 26	676
COMPUTER SCIENCE LAB - 3	26 X 26	676
COMPUTER SCIENCE LAB - 4	26 X 26	676
COMPUTER SCIENCE LAB - 5	26 X 26	676
<b>6.MICROBIOLOGY LABS</b>		
DEPT. OF MICROBIOLOGY (STAFF ROOM)		
MICROBIOLOGY LAB - 1	26 X 30	780
MICROBIOLOGY LAB - 2	26 X 30	780
<b>7.BIOTECHNOLOGY LABS</b>		
DEPT.OF BIOTECHNOLOGY (STAFF ROOM)	21 X 16	336
BIOTECHNOLOGY LAB -1	21 X 16	336
BIOTECHNOLOGY LAB - 2	26 X 21	546
<b>8.ENGLISH LANGUAGE LAB</b>		
ENGLISH LANGUAGE LAB	29 X 26	754
<b>9.TSKC LAB</b>		
TELANGANA STATE KNOWLEDGE CENTRE	49 X 26	1274



  
**PRINCIPAL**  
**KAKATIYA GOVT. COLLEGE**  
 Hanamkonda.



**DEPARTMENT OF PHYSICS**  
**KAKATIYA GOVERNMENT COLLEGE, HANUMAKONDA**  
**LAB EQUIPMENTS DETAILS**

S.No	Item	No's
1	555 timer	3
2	65J7 Valves	1
3	6Y6 valves	1
4	8085 trainer kit	1
5	A.C.Ammeter Digital	4
6	A.C. dimmer stat 0-250V	2
7	A.C.Voltmeter digital variable	4
8	A.C.Signal generator	1
9	AC Multi Voltmeter	1
10	Alcohol filled Thermometer	2
11	Ammeter(0-3 amp)	2
12	Ammeter(0-5 amp)	2
13	Ammeter(0-6 amp)	2
14	Amplifier	1
15	Analog meter	7
16	Analog Multi meter	3
17	Analytical Weight Boxes	5
18	AND-OR-NOT GATES	5
19	AND-OR-NOT gates	4
20	AND-OR-NOT GATES740ic	4
21	Aspiratory bottle	6
22	Audio frequency Oscillator	2
23	Balance Physical	4
24	Ballistic Galvanometer	1
25	band gap four probe method apparatus	1
26	Bar Magnets	10
27	Bar Magnets 2"	10
28	BARIUM TOHANETE CRYSTAL	1
29	Battery Eliminator	10
30	Bead boards	19
31	Bifilar Suspension	3
32	Binary Counter	2
33	bio visual chart	13
34	Biprism	2
35	Bistable Multi vibrator	3
36	Boyles Law	1
37	Brass wire	1
38	Calibration of Baydon type pressure gauge with dead weight	1
39	Capillary tube	20
40	Carey foster bridge	4
41	Cathelometer	1



42	Cathode ray Oscilloscope	2
43	Charge & Discharge Key	5
44	Choke for Mercury Lamp	2
45	Commutator	4
46	COMPARE KITS	2
47	Compass Needles	10
48	Compound Pendulum	3
49	Copper Calorimeter	2
50	Copper connecting wire	10
51	CR CIRCUIT BOARD	2
52	Cutting plier	2
53	Cylinders of various metals	6
54	D.C variable power supply	2
55	D.C. Voltmeter	10
56	D.C.Ammeter Digital	4
57	D.C.Meter of different Ranges	11
58	D.C.Micro Ammeter (0-100)	8
59	D.C.Milli ammeter	4
60	D.C.Volt meter Digital variable	4
61	D.C.Voltmeter 0-1V	3
62	D.C.Voltmeter 0-5V	3
63	D.C.Voltmeter 0-5V / 0-10V	2
64	D.C.Voltmeter 25-0-25	1
65	Daniel cell	1
66	Decade Capacitance Box	3
67	Decade Counter	2
68	decayed inductance box	4
69	decayed resistance box	3
70	Deflection Magnetometer	2
71	Design and Construction of Multimeter board	4
72	dielectric constant kit	1
73	DIELECTRIC CONSTANT MEASUREMENT	1
74	Diffraction Grating	1
75	diffraction Grating	1
76	Digital balance ( upto 2k)	2
77	Digital L.C.R.meter	3
78	Digital multi meter	5
79	Digital pH meter	1
80	Digital R.T.Part - I	1
81	DIGITAL TEMPERATURE INDICATOR	1
82	Diode & Zener Diode Characteristics	2
83	Double slit for diffraction	1
84	Dual channel oscilloscope	1
85	DUAL TRACE OSCILLOSCOPE	1
86	e/m apparatus ( Bar Magnet)	4
87	E/M MAGNETROUS METHOD	1



88	ELECTRICAL KETTLE	3
89	energy band gap apparatus	5
90	EX-OR-NOT GATES	5
91	eye piece 15x	3
92	FIBER OPTICS KIT	1
93	Fly Wheel	4
94	FOURIER ANALYSIS EXPERIMENT	1
95	Frequency of A.C. supply for sonometer	3
96	Fresnel's biprism	2
97	Full Adder	2
98	FUNCTION GENERATOR	1
99	GM Counter	1
100	Galvanometer(30-0-30)	10
101	Half adder	4
102	Half meter scale	10
103	HALL PROBE	2
104	Hanger Weight 0.5 kg	2
105	Hanger Weight 1 kg	2
106	Hanger Weight 50gm	2
107	hollow glass prism	4
108	Horse shoe magnet	5
109	HP OFFSET PRINTER	1
110	Hysteresis Loop Apparatus	6
111	Lamp & Scale Arrangement	2
112	Laser diode source	3
113	LCR Circuit Board	2
114	<b>LCR Series / Parallel circuit</b>	2
115	Lees Apparatus	5
116	Meldes Apparatus without power supply	4
117	Mercury Vapour Lamp	1
118	Meter Scale	20
119	Micro ammeter ( 0-100micro amps)	4
120	Millie Ammeter ( 0-50mA)	6
121	Mono stable Multi vibrator	3
122	Multi meter analog	6
123	NAND as universal building	2
124	Nessler cylinders 100ml	1
125	nessler cylinders 50ml	1
126	Newton Rings apparatus	4
127	Newton's law of cooling	3
128	Newton's rings lenses set	4
129	Newton's rings Microscope bridge type	1
130	Objective 2x	1
131	Patch cards	50
132	PHOTO CELL WITH LIGHT SOURCE	2
133	Photo diode	1





134	photodiode	1
135	photoelectric calorimeter	2
136	Physical Balance	2
137	Planck's constant	1
138	Planck's constant apparatus digital	1
139	PN JUNCTION DIODE/ZENER DIODE	4
140	Polarimeter	5
141	Potentiometer	5
142	POWER FACTOR AC CIRCUIT	2
143	POWER FACTOR LR CIRCUIT	1
144	Power supply dual channel	2
145	Pulfrich Refractometer	4
146	R.C. Coupled Amplifier	4
147	R.S. Flip flop	3
148	Reading telescope	5
149	Regulated power supply	7
150	Resistance Box ( 0.1 -10 ohms)	2
151	Resistance Box ( 1 -10 ohms)	1
152	Resistance Box ( 1 -10000 ohms)	4
153	Resistance Box ( 1 -5000 ohms)	2
154	Resistance Box ( 1 x 100 ohms)	4
155	Resistance Box dial type	6
156	Resistance coil-10 ohm	2
157	Resistance coil-5 ohm	2
158	Retort stand	20
159	Rheostat 400 Ohm 3.5 amp	1
160	Rheostat(2.3amp 34 ohm)	1
161	Rheostat(3.3amp 18 ohm)	1
162	Rheostat(5amp 24 ohm)	1
163	Rheostat(5amp 25 ohm)	1
164	Rheostat(5amp 29 ohm)	1
165	Rigidity Modulus	1
166	Rubber hammer	4
167	SCREEN FOR PROJECTOR	1
168	Screw gauge	10
169	SIGNAL GENERATOR	10
170	Simple pendulum bob	20
171	Single slit for Diffraction	1
172	Slit for resolving power of Telescope	6
173	Sodium Vapour Lamp	3
174	solar cell characteristics apparatus	1
175	Spectrometer -prism	5
176	Spherometer	4
177	Spirit level	5
178	Spring constant	9
179	Stefan's constant apparatus	2



180	STEFAN'S CONSTANT SET	3
181	Step down transformer	4
182	Step down transformer(eliminator 2-12V)	3
183	STEPPER MOTOR	1
184	Stop clock ESAL	4
185	Stop clocks	3
186	Study of capacitive transducer	1
187	Study of inductive pickup sensor	1
188	Study of level measurement	1
189	Study of LVDT range	1
190	Study of LVDT range 15mm	1
191	Study of Maximum power theorem	2
192	Study of Network theorems	2
193	Study of R.J.P	1
194	Study of regulated power supply(condoned)	4
195	Thermistor characteristics Apparatus	4
196	Thermocouple	3
197	Thermometer 110 C	1
198	Thermometer(alcohol filled)	3
199	Thevenin , Norton's theorem	4
200	Torsion pendulum	4
201	trainer kit 8085 variable	1
202	Transformer for sodium lamp	1
203	Transistor Characteristics Board	3
204	Transistor Characteristics Board with dual power supply	1
205	Transistor Characteristics	3
206	Transistor Characteristics Apparatus (C)	2
207	Travelling microscope	9
208	TRAVELLING MICROSCOPE 3D	2
209	Travelling microscope(Edison make)	2
210	Travelling microscope(micron make)	3
211	Tuning forks (341Hz,426Hz,480Hz,512Hz)	10
212	UJT Board	2
213	Universal bread board	1
214	UNIVERSAL BREAD BOARD	2
215	Variable resistance box dial type	2
216	Verification of Boolean Identity	2
217	Verification of Kirchhoff's law	4
218	Vernier callipers	10
219	Vibration Magnetometer	4
220	Voltmeter ( 0-150 V)	3
221	Voltmeter ( 0-300 V)	3
222	wall thermometer	1
223	Weight Box(200 gms)	2
224	Wiens Bridge	2

225	wooden slit box sodium lamp	4
226	XRD COMPARATOR	1
227	X-Y motion Microscope	1
228	Zener diode characteristics Apparatus	2
229	Computer	01
230	Printer	01
231	LCD Projector	01



*Incharge*  
Department of Physics  
Kakatiya Government College  
HANAMKONDA

*Principal*  
**PRINCIPAL**  
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**DEPARTMENT OF CHEMISTRY**  
**KAKATIYA GOVERNMENT COLLEGE, HANAMKONDA**

**List of Chemicals**

<b>S. No.</b>	<b>Name of the Chemical</b>
1	2,4--DNP
2	Acetaldehyde Solution
3	Acetic Acid
4	Aluminium acetate
5	Aluminium phosphate
6	Ammonia
7	Ammonium acetate
8	Ammonium bromide
9	Ammonium carbonate
10	Ammonium chloride
11	Ammonium dihydrogen orthophosphate
12	Ammonium molybdate
13	Ammonium oxalate
14	Ammonium sulphate
15	Ammonium sulphide
16	Ammonium tartarate
17	Aniline
18	Barium carbonate
19	Barium chloride
20	Barium Hydroxide
21	Barium nitrate
22	Benzaldehyde
23	Benzoic Acid
24	Benzophenone
25	Benzoyl Chloride
26	Beta Naphthol
27	Bismuth nitrate
28	Buffer Capsules
29	Cadmium Iodide
30	Cadmium sulphate
31	Calcium acetate
32	Calcium carbonate
33	Calcium chloride
34	Calcium Fluoride
35	Calcium Iodide
36	Calcium Nitrate
37	Chloroform
38	Copper Nitrate
39	Copper sulphate
40	Dextrose
41	Diethyl Ether

42	Dimethyl Sulphate
43	Ethyl Acetate
44	Ethylene Diamine Tetra acetate
45	Ferrous sulphate
46	Ferrous sulphide
47	Hydrochloric Acid
48	Iron Chloride(Ferric Chloride)
49	Lead acetate
50	Lead carbonate
51	Lead Nitrate
52	Magnesium carbonate
53	Magnesium Chloride
54	Magnesium sulphate
55	Manganees chloride
56	Manganees acetate
57	Mercuric chloride
58	Mohrs Salt
59	Nitric Acid
60	Nitro Benzene
61	Phenol
62	Phosphoric Acid
63	Potassium Chromate
64	Potassium Ferricyanide
65	Potassium Ferro cyanide
66	potassium Hydroxide
67	potassium Permanganate
68	Potassium per sulphate
69	Salicylic Acid
70	Sodium Acetate
71	Sodium Carbonate
72	Sodium dihydrogen Ortho phosphate
73	Sodium Hydroxide
74	Sodium Metal
75	Sodium Nitrite
76	Sodium Nitroprusside
77	Sodium Oxalate
78	Sodium Sulphide
79	Stannous Chloride
80	Strontium carbonate
81	Strontium Nitrate
82	Sulphuric Acid
83	Urea
84	Zinc acetate
85	Zinc carbonate
86	Zinc Sulphate





**DEPARTMENT OF CHEMISTRY**  
**LAB EQUIPMENT & GLASS WARE FOR B.Sc. PRACTICALS**

S.No	Name of the article with specifications
1	Adaptors
2	Aluminium Heating Blocks
3	Analytical Balance
4	Analytical Balance weigh box (0.1mg - 100 mg)
5	Atomic model set
6	Atomic model set inorganic molecules - Euro Model
7	Balance Digital - 0.1mg -300 g, Front Loading, LCD Display, Stainless steel pan
8	Barbers water bath
9	Beaker - Capacity 100 mL
10	Beaker - Capacity 100 mL plastic
11	Beaker - Capacity 1000 mL
12	Beaker - Capacity 1000 mL plastic
13	Beaker - Capacity 200 mL
14	Beaker - Capacity 250 mL
15	Beaker - Capacity 250 mL Plastic
16	Beaker - Capacity 50 mL
17	Beaker - Capacity 500 mL
18	Bio-visual Charts- periodic Table
19	BOD Bottles 300 mL
20	BOD incubator (Orbital Shoaling cum BOD incubator) 16 Flask / BTI-25 18 x 18 x18, 400 watts
21	Boiling Tubes 20 ml 25x150mm
22	Boo visual charts
23	Bottle opener
24	Brass tap
25	Bucket Plastic
26	Buckner Flask
27	Buckner funnel Porcelain
28	Buckner funnel Porcelain 75 mm, 3" thick steam small
29	Buckner funnel Porcelain 75 mm, 3"1/2 thick steam big
30	Buckner funnel Porcelain 75 mm, 5" thick steam big
31	Bunsen burners - Heavy base with stop cock
32	Burette brushes
33	Burette Clamp - Fischer Type- Heavy- Powder Coated
34	Burette Clamps
35	Burette Stand 8X 5
36	Burette Stand Heavy Size 8" X 5" Zinc Plated- rod Size 24" Long
37	Burettes 50 mL Glass



38	Burettes 50 mL polybag plastic
39	Cans
40	Capillary tubes set of 100
41	Centrifuge Machine electrical Capacity 4x15 ml
42	Centrifuge Machine Hand Driven Capacity 4x15 ml
43	Centrifuge Tubes Aluminium
44	Centrifuge Tubes Capacity-10ml /15ml
45	China dish Porcelain 100mL/250 mL
46	China dish Porcelain 3 1/2" & 3
47	Chromatography column with ground joint medium
48	COD Reflux Assembly (RBF with Reflux Condenser) set
49	Colorimeter Digital - micro controller 8 Filter, wavelength range:400 - 640 nm
50	Condenser 445mm
51	Condenser Set (size 24/29)
52	Conductivity bridge with cell
53	Conductivity meter digital
54	Conical Flask : Capacity 100 mL
55	Conical Flask : Capacity 250 mL
56	Copper turnings - 100G
57	Crucibles
58	Crucibles 30mL
59	Density Bottle 10MI
60	Desiccators
61	Digital Balance
62	Digital Calorie Meter
63	Digital Potentio meter
64	Distilled water plant 6l CAPACITY, 4.5 kW, stainless steel chamber
65	Distribution Flask 100mL
66	Distribution Flask 50mL
67	Dropping bottles
68	Dropping bottles 125mL
69	Dropping bottles Plastic
70	Droppers With Conical Teat. Size 6"
71	Droppers With Conical Teat. Size 8"
72	Filter paper bundles
73	First aid box (SURGICAL) Big Size
74	Flat bottom Flask 250mL
75	Forceps Stainless Steel
76	Foreseps
77	Funnel-
78	Funnel- 2"
79	Funnel- 75cm



80	Funnel- Size 3"
81	Funnel- Size 4"
82	Funnel- Size 5"
83	Fusion tubes
84	Gas Plant
85	Glass adaptor goog crucibles
86	Glass rods
87	Glass rods Pointed
88	Glazed tiles 6'*6'
89	Hot air oven (Size 18" x 18" x 18" - 95 L Capacity)
90	Hot Plate
91	Inorganic Model set
92	Iodination Flask Capacity 250 mL
93	Iron Almirah
94	Iron Almirah with glass
95	Kip's apparatus 300 Ml
96	Lab Tables wooden with asbestos sheets
97	LPG gas with Tata pipeline connection material and installation for 10 Burners Brass
98	LPG stove, basin, buckets, mesh, stainer, rubber pipe
99	Measuring Cylinders 10 Ml
100	Measuring Cylinders 100 mL
101	Measuring Cylinders 25 Ml
102	Measuring Cylinders 5 ml
103	Measuring Cylinders 50 mL
104	Measuring Cylinders 500 mL
105	Measuring Cylinders 1000 mL
106	Melting point apparatus
107	Microwave oven 220 L
108	Mortar& Pestle - 4" Glass
109	Mortar& Pestle - 4" Porcelain
110	OHP over Head Projector
111	OHP over Head Projector Screen
112	Organic Model Kit
113	pH meter - pH range 1-14; resolution 0.01; temperature range 0 - 100 °C
114	Pipette graduated 10ml
115	Pipette graduated 1ml
116	Pipette graduated 5ml
117	Pipette pump
118	Pipette Volumetric 10 ml
119	Pipette Volumetric 20 ml
120	Pipette Volumetric 25 ml
121	Pipette Volumetric 5 ml
122	Polythene cans 5 L, 10 L, 20 L





123	Porcelain tiles
124	Potential meter digital
125	Racks for Reagents wood /steel
126	Reagent bottle 100 mL
127	Reagent bottle 250 mL
128	Reagent bottle 60 mL
129	Reagent bottle 1000mL
130	Reagent bottle 125 mL
131	Reagent bottle 3000mL
132	Reagent bottle -Ambered colour 250 mL
133	Reagent bottle with wide mouth 250 ml
134	Reagent Dropping bottles 60 ml bottle
135	Reagent Dropping bottles 60 ml bottle 125 ml
136	Refrigerator domestic type 235L LG
137	Retort stand clamps
138	Retort stands
139	Rough balance 5kg
140	Round Bottomed Flask 100 mL
141	Round Bottomed Flask 250 mL
142	Round Bottomed Flask 500 mL
143	Rubber Bulbs
144	Rubber Bulbs medium
145	Rubber cork 28mm
146	Separating funnel
147	Separating Funnel 250 mL
148	Silica Crucibles 13 mL
149	Solution container 10L
150	Solution Container 2.5 L
151	Solution container 2L, 2.5L, 5L
152	Solution Container 5 L
153	Spatula Size 6" Stainless Steel -
154	Spot Plates
155	Stalagmometer
156	Standard flask 2000 mL
157	Standard flask 250 mL
158	Standard flask 500 mL
159	Standard flask 100mL
160	Stools
161	Stop clock
162	Suction Flask
163	Suction Pump glass
164	Suction Pump Low pressure
165	Test tube brushes
166	Test Tube Holder- Chromium Plated With Wooden Handle -Iron

167	Test Tube stand 10 RACKS
168	Test Tube stand 10 RACKS wooden
169	Test Tube(boiling) 18X150
170	Test Tube(normal) 15X/125
171	Test Tube(normal) 6"
172	Thermometer 110 F
173	Thermometer 360 F
174	T-Joints
175	TLC Chamber
176	TLC iodination chamber
177	TLC sheets (silica gel coated aluminium sheets) set of 25
178	TLC UV Chamber
179	Tongs
180	Tongs 9"
181	Tripod Stand
182	Trough neumatic porcelein
183	TTH
184	Vacuum decicator - 100mm Ground Flange
185	Vacuum Pump Low pressure
186	Viscometer
187	Wash Bottle 250 mL
188	Wash Bottle 500 mL
189	Watch Glass 3"
190	Watch Glass SMALL/MEDIUM
191	Water Bath
192	Water circulation pump 0.025HP capacity & rubber tubes set
193	Weighing bottles
194	Whatman Filter Paper grade 1 circular
195	Wire Gauge - 6"X6" – with Frame Double Asbestos
196	Computers-02
197	Printers -02
198	LCD Projectors -02



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**DEPARTMENT OF BOTANY**  
**LAB EQUIPMENT & GLASS WARE**  
**FOR B.Sc. PRACTICALS**

S.No	Item	Prescribed number
1	Laminar air flow	01
2	Autoclaves	02
3	Hot air ovens	03
4	Stereo microscopes	06
5	Compound microscopes	50
6	Dissecting microscopes	25
7	Centrifuge	02
8	Shaker	01
9	Herbarium Presser	02
10	Herbarium rack	02
11	water bath	01
12	Refrigerator	01
13	Desktop computers with printer, scanner	02
14	LCD projector	01
15	Ethanol	5 L
16	Mercuric chloride	02
17	Hydrochloric acid	02 L
18	Reagents	For staining
19	Trinocular Micro scope	04
20	Binocular Microscopes	10
21	Compound Microscopes	55
22	Dissection Microscopes	20
23	CAD Camera	01
24	Digital Balance	07
25	Electrical Centrifuge	01
26	Incubator	01
27	Orbital Shaker	01
28	P <sup>H</sup> - Meter	01
29	Water Both	01
30	Calorimeter	01
31	Water distillation Unit	01
32	GPS	01
33	Calorimeter	01
34	Beakers	51
35	Measuring cylinder	22

36	Slide box	10
37	Test tubes	56
38	Burette stands & Burettes	10
39	Conical Flasks	20
40	Specimens	100
41	Bottles	10
42	Pipets	10
43	LCD Projectors	01
44	Computer	01
45	Printer	01



  
**Incharge**  
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**DEPARTMENT OF BIOTECHNOLOGY**  
**LAB EQUIPMENT**  
**FOR B.Sc. PRACTICALS**

S.No	Item	No s
1	Autoclave Vertical Medium size & large	02
2	Hot Plate	02
3	Laminar air flow	01
4	Magnetic Striker	01
5	Refrigerator	01
6	Distillation /unit for distilled water	01
7	Digital colorimeters	02
8	Digital balance	01
9	Water bath	01
10	Sahil's Haemoglobin met	06
11	Microscope Monocular	05
12	Micro Pipettes	10
13	Paper Chromatography chamber	01
14	Electrophoresis unit	01
15	Hot air oven	01
16	Vortex mixer	01
17	Incubators	02
18	Centrifuges	04
19	Calorimeters	01
20	U.V illuminator	01
21	Petri Plates	40
22	Conical Flask	12
23	Burette & Burette Stands	12
24	Pipettes	8
25	Culture Tubes	42
26	LCD Projector	01
27	Computer	02
28	Printer	01

  
**PRINCIPAL**  
**KAKATIYA GOVT. COLLEGE**  
Hanamkonda.





## DEPARTMENT OF MICROBIOLOGY

### LAB EQUIPMENT & GLASS WARE

### FOR B.Sc. PRACTICALS

S.No	Item	No s	Availability	Remarks
1	Autoclave Vertical Medium size & large	02	YES	In good working condition
2	Hot Plate	03	YES	In good working condition
3	Laminar air flow	01	YES	In good working condition
4	Magnetic Striker	01	YES	In good working condition
5	Refrigerator	01	YES	In good working condition
6	Distillation /unit for distilled water	01	YES	In good working condition
7	Digital colorimeters	02	YES	In good working condition
8	Digital balance	03	YES	In good working condition
9	Water bath	02	YES	In good working condition
10	Sahil's Haemoglobin met	10	YES	In good working condition
11	Microscope Monocular	15	YES	In good working condition
12	Micro Pipettes	15	YES	In good working condition
13	Paper Chromatography chamber	02	YES	In good working condition
14	Electrophoresis unit	01	YES	In good working condition
15	Hot air oven	02	YES	In good working condition
16	Vortex mixer	01	YES	In good working condition
17	Incubators	02	YES	In good working condition
18	Centrifuges	04	YES	In good working condition
19	Shakers	01	YES	In good working condition
20	Colony counter	02	YES	In good working condition
21	Desiccators	03	YES	In good working condition

22	Colorimeters	01	YES	In good working condition
23	Electric balance	02	YES	In good working condition
24	U.V illuminator	01	YES	In good working condition
25	Petri Plates	50	YES	In good working condition
26	Conical Flask	10	YES	In good working condition
27	Burette & Burette Stands	10	YES	In good working condition
28	Pipettes	10	YES	In good working condition
29	Culture Tubes	50	YES	In good working condition
30	Stands	10	YES	In good working condition
31	LCD Projector	01	YES	In good working condition
32	Computer	01	YES	In good working condition
33	Printer	01	YES	In good working condition




  
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## DEPARTMENT OF COMPUTER SCIENCE

### DETAILS OF COMPUTERS

No.of labs	Manufa cturer	Total no.of Systems	Configuration			
			Processor	RAM	System Type	Hard Disk
<b>05</b>	Dell	37	Intel @Core™ i3 - 7100 CPU@3.90 GHz	4.00 GB (3.82 GB usable)	64-bit Operating System,x64 - based processor	1 Terra Byte (TB)
	Acer	63	Intel @Core™ i5 - 7400 CPU@3.00 GHz	4.00 GB (3.82 GB usable)	64-bit Operating System,x64 - based processor	1 Terra Byte (TB)
	HP	36	Intel @Core™ i3 - 8100 CPU@3.60 GHz	4.00 GB (3.82 GB usable)	64-bit Operating System,x64 - based processor	1 Terra Byte (TB)
	HP	10	Intel @Core™ i5 - 10500 CPU@3.10 GHz	8.00 GB (7.83GB usable)	64-bit Operating System,x64 - based processor	1 Terra Byte (TB)
<b>TOTAL</b>		<b>146</b>				
1	LCD Projectors					<b>05</b>
2	Printers					<b>06</b>

  
**Incharge**  
 Dept. of Computer Science  
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## DEPARTMENT OF ZOOLOGY

### LAB EQUIPMENT & GLASS WARE FOR B.Sc. PRACTICALS

S.No	Item	No s
1	Compound Microscopes	20
2	Dissection Microscopes	20
3	Over Head Projectors	01
4	Refrigerators	01
5	Hot air Oven	02
6	Electrophoresis Set	01
7	Water Baths	02
8	Slide Cabinet	02
9	Binocular Microscope	20
10	Analytical Balance	04
11	PH Meters	02
12	Calorimeter	01
13	L.C.D. Projector	01
14	Slide Projector	01
15	Bio-visual Charts	200
16	Specimens	80
17	Slides	300
18	Computer	01
19	Centrifuge	01
20	Printers	03
21	Soxhlet Extraction	01
22	Newbar Chambers	20
23	Heamometers	20
24	Conical Flasks	20
25	Burettes	25
26	Pipettes	15
27	Burette stands	20
28	Test tubes	120
29	Test Tubes Holders	120
30	Droppers	20
31	Test tube stands	20
32	Formaldehyde	
33	Dissection trays	40
34	Dissection boxes	02
35	Blood Grouping Kit 3x10m	02
36	Blood Lancets - 200's	05
37	Molisch Reagent	125ml
38	Fehling's 'A' Solution	500 ml
39	Fehling's 'B' Solution	500 ml
40	Biuret Reagent	125 ml
41	Ninhydrin AR/ACS	10gms
42	Sodium Carbonate Anhydrous	500 gms
43	Chloroform	500 ml

44	Benzene	500 ml
45	Diethyl Ether	500 ml
46	Sudan-IV	25 gms
47	Hydrochloric Acid 0.1N Solution	500 ml
48	Urease active meal	100gms
49	Folin & Ciocalteu's Phenol Reagent	125 ml
50	Silver Nitrate	10gms
51	Picric Acid Solution	500 ml
52	Lead Acetate	500gms
53	Silver Nitrate 0.02N Solution	500 ml
54	Nitric Acid	500 ml
55	Prawns	200
56	Labeo	200
57	Surgical Spirit	500 ml
58	Conc. Sulphuric Acid	500 ml
59	Starch Powder	500 gms
60	Millons Reagent	125 ml
61	Elisa Kits	05
62	Benedict's Reagent	500 ml
63	Nessler's Reagent	125 ml
64	Urease Powder	10 gms



*[Signature]*  
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