

LIST OF LABS ALONGWITH EQUIPMENTS

DEPARTMENT OF CHEMISTRY

S.NO	Name of the Equipment	No. of Equipment
1.	Beckmann freezing point apparatus	3
2.	Calomel electrode vessel	3
3.	Calomel electrode vessel spl type	4
4.	Conductivity cell diptype	3
5.	Conductivity meter	11
6.	Rheostat 12" long	3
7.	Conductivity bridge (Old)	3
8.	Galvanometer table type	5
9.	Transport number determination apparatus	1
10.	Abbs refractor meter	1
11.	Mechanical shaker	2
12.	Dial type potentio meter(Crompton)	4
13.	Hot plate	3
14.	DCMC volt meter	2
15.	DCMC ammeter	2
16.	Commutator	2
17.	Stop clock (start stop & fly back action)	2
18.	Stop watch (fly back action) anglo swiss	43
19.	Viscometer	6
20.	Polari meter Indian make	2

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21.	Sodium vapour lamp 60 watts with transformer	1
22.	Thermostat	1
23.	Transition temperature apparatus	15
24.	Copper calorimeter complete with stirrer in box	2
25.	Microscope	1
26.	Electrical centrifuge	8
27.	Resistance box plug type	3
28.	Spot reflecting galvanometer	1
29.	Decade resistance box	1
30.	Vernier microscope OSAW make	1
31.	Vacuum pump JABIVAK make with ½ HP motor & essential accessories	4
32.	Sodium vapour lamp	1
33.	Overhead projector	1
34.	Heating mantle 2lit capacity	1
35.	Heating mantle 1lit capacity	1
36.	Heating mantle 500ml capacity	8
37.	Water bath Electrical	6
38.	Barkleys Hortley osmotic Pressure Apparatus	1
39.	Electrical Bunsen burner	1
40.	Magnetic stirrer	3
41.	Digital pH meter	1
42.	Electrical electrophoresis powerpack	1
43.	Analytical balance (K Roy) capacity 200gms	4

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44.	Balance Semi analytical Keroy K-6	20
45.	Generator	1
46.	Computer	1
47.	UPS	1
48.	Laser Printer	1
49.	Hot Air Oven	3
50.	Digital Balance Shimadzu	3
51.	Deioniser	1
52.	Visible Spectro Photo Meter	2
53.	Digital Potentio Meter	3
54.	UV. Visible Spectro photo Meter	1
55.	Digital Photo fluoro photo Meter	1
56.	Burette Stand Tarson	3
57.	Godrej Refrigerator	1
58.	Mixie	1
59.	Photo Electric Calorimeter	1
60.	Digital Balance (0.1gm)	2
61.	Melting point apparatus	4
62.	Digital Balance (0.01gm)	5
63.	TDS meter dip type (pen type)	1
64.	Aluminium heating blocks	25
65.	Asbestos cement board	39
66.	Aluminium cone for drying	30
67.	Balance counter scale with 1kg weight box	1
68.	Blow lamp	1

69.	Blow pipe mouth	16
70.	Burners fish tail	2
71.	Burners for petrol gas	28
72.	Single pan - Balance Electrical SARTAR BARAND	1
73.	Nessler's Stand wood with reflector	10
74.	Mecker burners	29
75.	Steam generator 1(one) litre capacity	2
76.	Hot water funnel	4
77.	Heating element	2
78.	Photo electric calorimeter	1
79.	Pellet making machine	1
80.	Rotary Shaker (RUSA)	1
81.	Demineraliser (RUSA)	1
82.	Digital Conductivity Meter (RUSA)	10
83.	Analytical Balance Digital Shimadzu (RUSA)	1

DEPARTMENT OF BOTANY

- SPECTROPHOTOMETER
- INCUBATOR
- CENTRIFUGE
- MIMESCOPE (COMPOUND AND DISSECTION)
- ELECTRONIC BALANCE
- PH METER
- COLORIMETER

DEPARTMENT OF MATHEMATICS

HARDWARE DETAILS

S.No	Hardware	Details	Numbers
1	Computer Systems	Pentium III	4
		Pentium IV	7
		I3	2
2	Printers	Hp Laser Jet	1
		Canon LBP3100/ LBP3108/ LBP3150	1
		Canon LBP3100/ LBP3108B/ LBP3150	1
		TVS dot matrix printer MSP SERIES	1
3	Scanner	HP Scanjet G2410	1
4	Multipurpose Xerox Machine	SHARP AR5620V	1
5	Power supply (UPS)	3kva	1
		1kva	2
		.5kva	4
6	Air conditioner	1.5 ton	2

SOFTWARE DETAILS

MATLAB

S.No	PARTICULARS
1	MATLAB(MLALL)
2	PARTIAL DIFFERENTIAL EQUATION TOOLBOX
3	STATISTICAL TOOLBOX
4	CURVE FITTING TOOLBOX
5	SYMBOLIC MATH TOOLBOX
6	MATLAB REPORT GENERATOR

OTHER EQUIPMENTS

S.No	PARTICULARS	NOs.
1	TELESCOPE	1
2	LUNAR PHASE /CELESTIAL/TRANSPARENT GLOBE	3
3	TELEVISION SET WITH CABINET TV ANTENNA,BOOSTER,TV STAND TV ACCESSORIES(DTH) STABILIZER DVD PLAYER	1
4	OHP,TRIPOD PLASTIC SCREEN(WHITE)	1
5	VACUUM CLEANER	1
6	FIXOGRAPHIC BOARD	1

LAB EQUIPMENTS – DEPARTMENT OF GEOGRAPHY

1. COMPUTER – 5 NUMBERS
2. SCANNERS – 3 NUMBERS
3. PRINTERS – 3 NUMBERS
4. LCD PROJECTOR – 1, ORDER PLACED -1
5. OHP PROJECTOR – 2 NUMBERS
6. UPS 3KVA – 1 NUMBER
7. GIS SOFTWARES – ARC VIEW AND MAPINFO
8. SURVEY INSTRUMENTS

DEPARTMENT OF PHYSICS

S.NO.	NAME OF THE ARTICLE	AMOUNT	TOTAL NO.
1	AC VOLTMETER		
2	AIR WEDGE		9
3	AC MILLIAMMETER(0-5)MA		44
4	DC AMMETER(0-10)MA		1
5	AMMETER COLLEGE TYPE(0-5)AMP	Rs.434.00	13
6	AMMETER COLLEGE TYPE(0-3)AMP	Rs.80.00	4
7	AMMETER COLLEGE TYPE (0-2)AMP	Rs.299.00	4
8	AUDIO OSCILLATOR (AF SIGNAL GENERATOR)	Rs.4500.00	18

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9	ASTRONOMICAL TELESCOPE MODEL		NIL
10	PHYSICAL BALANCE		NIL
11	B.G.		NIL
12	BALANCE STOOL WOODEN		19
13	BATTERY-2 VOLTS		NIL
14	BATTERY-6 VOLTS		15
15	BATTERY CHARGER		1
16	BATTERY ELIMINATOR		21
17	TRANSFORMER		NIL
18	BLACK BOARD INSTRUMENT IN BOX		1
19	BRASS CUT PIECES		NIL
20	BREAD BOARD		13
21	BRASS RODS-ONE METER LONG		4
22	BULL DOG CLIPS		12
23	BUNSEN GREASE SPOT PHOTOMETER		4
24	BURETTE BINCH COCK		11
25	BURETTE STAND WOODEN		2
26	CALLENDER AND BARNER CONTINUOUS FLOW APPARATUS		5 SETS
27	CENTER OF GRAVITY PLATES SET OF THREE		NIL
28	COMPUTER		
29	CENTER OF GRAVITY OF TOYS SET OF THREE		2
30	COMPOUND BENDULAM		4
31	CLAMP AND LOSS HEAD		29
32	G – CLAMP		NIL
33	COMMUTATOR REVERSING TYPE		12
34	COMPASS NEEDLE		22
35	CONE WODDEN 6”×4”		NIL
36	CARRY FOSTER’S BRIDGE		NIL
37	COPPER CALORIMETER		14

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38	CHARGE DISCHARGE KEY		32
39	COPPER VESSEL FOR BOILING		NIL
40	COPPER VOLTAMETER -3 PLATES WITH OUTER VESSEL		6 SET+ 5
41	CONDENSOR (DIAL TYPE)		18
	CONDENSOR STANTARD TYPE		8
42	CATHODE RAY OSCILLOSCOPE		5
43	DIGITAL LOGIC TRAINER		3
44	CORK BORER – SET OF SIX		1 SET
45	COPPER VESSEL FOR DANIAL CELL		5
46	CORK PRESSURE – WHEEL PATTERN		1
47	CROSS BAR WITH HOOKS		4
48	CRUCIBLE TONGS		2
49	DANIAL CELL – ELECTRONIC SUBSTITUTE		8
50	DANIAL CELL –COMPLETE		NIL
51	DIFFRACTION GRATING		7
52	DEFLECTION MAGNETOMETER		16 SET
53	DRAWING BOARD		13
54	DRIER ELECTRIC		1
55	ELECTRONIC TRANSISTOR CHARACTERSTIC APPARATUS		NIL
56	DIGITAL CAMERA		2
57	EBONITE ROD		1
58	ELECTRONIC CALCULATOR		03
59	EDSER’S CONDUCTIVITY APPARATUS		NIL
60	ELECTRIC BELL WORKING ON BATTERY		1
61	ELECTRIC HEATER		NIL
62	ELECTRIC IMMERSION HEATER		1
63	TRAVELLING MICROSCOPE		20
64	TRAVELLING MICROSCOPE BRIDGE TYPE		NIL
65	ELECTRIC TESTER		2
66	FLAME PRODUCTOR TIN		12

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67	ELECTRO MAGNET		
68	FORCE BUMB ON STAND		NIL
69	FET ON BOARD		4
70	LOGIC GATE TRAINER KIT		18
71	FREEZING POINT APPARATUS		1
72	OP AMP LOGIC GATE TRAINER KIT		3
73	FUNNEL STAND		-
74	MOVING COIL GALVANOMETER		31
75	GALVANOMETER-SIMPLE		1
76	GALVANOMETER		33
77	HOFFMAN'S CLIP		6
78	HARE'S APPARATUS LOWERING AND LIFTING		NIL
79	TWO BOARD TRANSISTER WITH ALL COMPONENTS		1
80	TRANSISTOR POWER SUPPLY FOR TRANSISTOR EXPERIMENTS		17
81	ELECTRONIC AC MILLIVOLTMETER		3
82	ELECTRONIC REGULATOR POWER SUPPLY 0-30V SINGLE		10
83	ELECTRONIC REGULATED POWER SUPPLY DUAL TYPE		5
84	FREQUENCY METER		8
85	HIGH RESISTANCE WITH PLUG		39
86	IRON ROD		2
87	HYPSOMETER COPPER		NIL
88	ICE BOX		NIL
89	INCLINED PLANE		1
90	INDUCED CURRENT APPARATUS		NIL
91	IRON STAND CUSSON TYPE-HEAVY		4
92	JOLLY'S BULB APPARATUS 1 METER SIZE		8
93	JOULE'S CALORIMETER		16
94	JOULE'S COIL		6

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95	KUNDT'S TUBE		NIL
96	KEY SINGLE CONTACT TAP KEY ON EBONITE		NIL
97	KEY PLUG TYPE – SINGLE		13
98	KNIFE- HOLDING		1
99	JUNCTION DIODE RECTIFIER		1
100	LEE'S AND CHORLTON'S CONDUCTIVITY APPARATUS		6
101	LAMP HOUSING – COMPLETE WITH OBJECT AND LAMP		7
102	LATENT HEAT OF STEAM APPARATUS		8
103	LACHLANCE CELL – ELECTRONIC SUBSTITUTE		5
104	LACHLANCE CELL		5
105	LINEAR EXPANSION APPARATUS – LEVER TYPE		NIL
106	LINEAR EXPANSION APPARATUS- SPECTROMETER TYPE		NIL
107	LENS HOLDER V SHAPED WOODEN		10
108	LIQUID LENS APPARATUS		8
109	LASER PRINTER		1
110	MAGNETS BAR		44
111	MAGNETS CYLINDRICAL		7
112	MAGNETIC NEEDLE WITH HOLDER		1
113	DC MILLIVOLT METER		6
114	MANOMETER CLOSED – MOUNTED		NIL
115	MELDE'S APPARATUS		7
116	MANOMETER OPEN- MOUNTED		NIL
117	METAL BEAM FOR BENDING EXPERIMENT		NIL
118	METAL CUBES CYLINDERS		60
119	MICRO AMMETER(DC)		22
120	METAL SPHERES		NIL
121	MILLI AMMETER DC		55

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122	METER BRIDGE		21
123	METER SCALE – HALF		19
124	METER SCALE ONE METER		33
125	MIRROR GALVANOMETER		NIL
126	MOHR'S PINCH CLIP		14
127	MULTIMETER		1
128	MORSE KEY		15
129	NEWTON'S RING APPARATUS (i) Through (ii) Lens (iii) plates		8 +4+6
130	NICHOLSON'S HYDROMETER		1
131	MUTUAL INDUCTANCE COIL		4
132	NICHEL ROD 4" LONG		1
133	OPTICAL BENCHES		8
134	OP AMP BOARD WITH BUILT IN POWER SUPPLY		14
135	OPTIC LEVER WITH 3 LEGS (SINGLE)		23
136	PARALLELOGRAM LAW OF FORCES APPARATUS		4
137	PENDULEN POPS WITH HOOKS		NIL
138	2V/2A POWER PACK FOR POTENTIO METER		10
139	POST OFFICE BOX (i) plugs (ii) Dial		2+4
140	PENCIL JOCKY		8
141	POTENTIO METER		26
142	PROTRACTOR-PLASTIC		Nil
143	PULLEY'S		3
144	PHOTOCELL		3
145	PHOTO CELL VALUE TYPE		2
146	RESISTANCE BOX-DIAL TYPE		22
147	RESISTANCE BOX-PLUG TYPE(1to5000)		13
148	TRANSISTOR ON BOARD		16
149	RESISTANCE STANDARED		48
150	RESONANCE COLUMN APPARATUS		Nil

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151	READING TELESCOPE WITH SCALE ATTACHMENT		13
152	RETORT STAND		Nil
153	RHEOSTAT		15
154	RING FOR RETORT STAND		Nil
155	PULSE GENERATOR		Nil
156	SCALE-1" (1 FEET)		Nil
157	SCALE PAN ALUMINIUM WITH HOOK AND CHORD		2
158	SCISSORS		Nil
159	SCREW DRIVER		2
160	SCREW GAUGE		35
161	SIDE PRESSURE APPARATUS – TIN		1
162	SIMPLE BENDULAM		1
163	SOFT IRON BOR		Nil
164	SOFT IRON BITS- MAGNETIC REEPERS		12
165	SOLDERING IRON		Nil
166	SONOMETER ON PEDESTAL BRASS BRIDGE		10
167	SPHEROMETER		Nil
168	SPHEROMETER MODEL		1
169	SPECTROMETER PRISM		3
170	SPIRIT LEVEL		1
171	SPRING BALANCE		Nil
172	SODIUM VABOUR LAMP- IMPORTED -45 WATTS		1-Lamp 2- Transformer
173	STEAM BOILER		Nil
174	STEAM HEATER		Nil
175	STEEL BALLS		2
176	LEAD BALLS		1Kg
177	STEEL BAR		Nil
178	STEEL KNITTING NEEDLE		6

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179	SHIFT REGISTER		2
180	STOP CLOCK WITH FLY BACK ACTION		21
181	SOCKET AND CYLINDER DEMONSTRATION TYPE		Nil
182	SCALE FOR READING TELESCOPE		16
183	STOP WATCH		27
184	STOVE KEROSENE		Nil
185	SIXWAY KEY		Nil
186	SEARLE'S YOUNG'S MODULAS APPARATUS		Nil
187	TANGENT GALVANOMETER		14
188	TEST TUBE HOLDER		2
189	THERMO COUPLE		Nil
190	TEST TUBE STAND SIX HOLDS & SIX PEGS		2
191	TORSION PENDULUM		4
192	TOOL CABINET – SENIOR WITH POPULAR USEFUL		Nil
193	STEP DOWN TRANSFORMER (ELIMINATOR)		9
194	TRAY FOR MERCURY		Nil
195	TRIPOD STAND		Nil
196	TUNING FORK		2 set
197	TUNING FORK HAMMERS		NIL
198	TWO WAY PLUG KEY ON EBONITE BAR WITH BRASS TERMINAL		NIL
199	TORSION BALANCE, SEARLE'S PATTERN		NIL
200	TRAVELLING MICROSCOPE WITH STAINLESS STEEL AND VERNIER		12
201	TEAKWOOD HOUSING FOR SODIUM VAPOUR LAMP		2
202	UNIVERSAL LENS HOLDER WITH METALS		5
203	U TUBE MOUNTED APPARATUS		4
204	UPS		1
205	BERANGER BALANCE		1
206	VIBRATION MAGNETO METER		NIL

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207	MERCURY VAPOUR LAMP -80 WATTS		1 SET
208	SPHERICAL CALORIMETER		11
209	VERNIER CALIPER		10
210	VERNIER MODEL		1
211	SEARLES THERMAL CONDUCTIVITY APPARATUS		3
212	SWITCH BOX		10
213	VOLTMETER DC		77
214	UNIVERSAL LAMP AND SCALE AJCO		5
215	TEMPERATURE CO- EFFICIEND COIL		NIL
216	WAVE MOTION APPARATUS		1
217	WEIGHT BOX 1-200gms		24
218	TRIODE CHARACTERISTIC CURVE APPARATUS		7
219	WEIGHT SLOTTED – BRASS		NIL
220	WEIGHT SLOTTED IRON		18
221	WOODEN BAR WITH HOLES WITH KNIFE		2
222	ZENER DIODE WITH BASE BOARD		6
223	WOODEN KNIFE EDGES		24
224	TOOLS-1 SET		13
225	TIME RINGER		1
226	POLORIMETER		1
227	KOHLRAUSCH CONDUCTIVITY BRIDGE		1
228	POROUS POT		3
229	OPTICAL BENCH		6
230	OPTICAL BENCH WITH		6
231	SPHERICAL CALORIMETER (NEWTONS LAW OF COOLING) APPARATUS		6
232	DPDT SWITCH		13
233	EYE PIECE WITH CROSS WIRE 10X		1
234	LIQUID PRISM		3
235	HEAD PHONE		2

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236	MAGNETIC STIRRER WITH ENERGY REGULATOR		1
237	DRIER PHILIPS MAKE		1
238	ANDERSON BRIDGE – FULL SETUP		1
239	COMMUTATOR – PLUG TYPE – 4 WAY KEY		4
240	VARIABLE POWER SUPPLY (0 -15V)		5
241	BF SODIUM VAPOUR LAMP		1 SET
242	THERMOCOUPLE		NIL
243	SPECTROMETER		11

DEPARTMENT OF COMPUTER SCIENCE

Laboratory Equipment's available in the Department

Sl.No	Name of the Equipment /	Make & Model	Date of Installation	Funding Agency	Cost in Rs.	Working Condition
1	Computer Systems	Acer Power Series	10.03.2010	PD I Fund	3,68,316	Working
		HCL	29.03.2011	UGC XI Plan	2,25,300	Working
		Acer Veriton M200 – B75	09.10.2012	Part II Scheme	10,00,000	Working
		Lenovo Think Centre	23.03.2012	UGC XI Plan Additional Assistance	2,91,600	Working
		Acer Veriton i5 Intel Processor	28.03.2019	State Fund	23,30,000	Working
2	Printer	Samsung Laser Printer Model:ML2851ND	09.10.2012	Part II Scheme	40,000	Working
		Dot Matrix – TVS Printer	09.10.2012	Part II Scheme	30,000	Working
		Canon Image Class MF4450 Printer	25.03.2011	UGC XI Plan	39,090	Working
		Canon LBP6300du	25.03.2011	UGC XI Plan	39,090	Working
		Canon Laser jet Pro M352n (Color Printer)	2017	PD I Account	35,000	Working
3	Photocopier	SHARP AR5516N	28.02.2012	UGC XI Plan	1,38,852	Working

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Sl.No	Name of the Equipment /	Make & Model	Date of Installation	Funding Agency	Cost in Rs.	Working Condition
		Canon Image Runner 2420L	29.02.2012	UGC XI Plan	91,655	Working
4	LCD	SHARP Projector Code:XR10XL	20.09.2007	PD I Account	61,660	Working
5	OHP	Famulus Alpha 250 (Kinderman)	21.02.2004	UGC X Plan	25,000	Working
6	Scanner	HP Scanjet G2410	14.05.2010	UGC XI Plan	3,950	Working
7	Fire Extinguisher	Fire Extinguisher	24.02.2012	Non-Plan	4,200	Working

Facility Available in Research Lab

Sl.No	Item	Make and Model	Number of Systems available for Research	Year of Purchase
1	Computer Systems	Lenovo Think Centre	8	2012
2	Printer	Cannon LBP6300du	1	2011
3	Photocopier	Canon Image Runner 2420L	1	2012
4	Scanner	HP Scanjet G2410	1	2010
5	Details of Internet connectivity	Under construction (smart class rooms from RUSA Fund)	3	2017
6	UPS (5KVA)	RPC, JR Communication Power	1	2014

Facilities available in Computer Laboratories

Sl.No	Item	Make and Model	Number of Systems available in Computer Laboratories	Year of Purchase
1	Computer Systems	Acer Power Series	12	2010
		HCL	06	2011
		Acer Veriton M200 –	25	2012
		Acer Veriton i5	45	2019
2	Printers	Samsung Laser Printer Model:ML2851ND	2	2012
		Dot Matrix – TVS	2	2012
		Canon Image Class MF4450 Printer	2	2011
		Canon LBP6300du	1	2011
		Cannon Laser jet Pro M352n (Color Printer)	1	2017
3	Photoconier	SHARP AR5516N	1	2012
4	LCD	SHARP Projector Code:XR10XL	1	2007
5	OHP	Famulus Alpha 250 (Kinderman)	1	2004

Modem	03
Svstem Connected with LAN	50 Svstems
Microprocessor Kit	07
Web Camera	04
UPS	8 (5 KVA: 3. 3 KVA: 3. 1 KVA: 2)
Multimedia Kit	05
Hub / Switches	05
Color Scanner	01
Computer Software	10 (CDs along with Svstems)