

DEPARTMENT OF BOTANY
LIST OF INSTRUMENTS UNDER RUSA 2.0

1. Projecting microscope with slide 0073
2. Trinocular research microscope
3. BPL-91 Rotary senior Microtome(A.o.Spencer 820 types)
4. Phase contrast model BLE-12A
5. Craft thin layer Chromatography Kit
6. BVE6-Craft senior Micro projector (Projection Microscope)
7. Hedge Cutter
8. Craft's Slide warming table with thermostat.
9. Biological refrigerator
10. Stereozoom Microscope
11. Herbarium Sheet(29 x 43 cm)-1500sheets

DEPARTMENT OF CHEMISTRY
LIST OF APPARATUS UNDER RUSA 2.0

1. Stalgometer
2. Ostwald Viscometer
3. PH Meter
4. Potentiometer
5. Conductometer
6. Calorimeter
7. Spectro photometer
8. Colori meter
9. Boiling point apparatus
10. Melting point apparatus
11. Paper chromatography
12. Thin layer chromatography
13. Gas liquid Chromatography
14. Thermo meter
15. Electrical Balance
16. Distillation plant

DEPARTMENT OF PHYSICS.
LIST OF APPARATUS UNDER RUSA 2.0

Sl.No.	Name of the apparatus with its Specification	Quantity
01.	Bar Pendulum with its cavity	04
02.	Katers Pendulum	02
03.	Seari's Apparatus for Elastic Constants	02
04.	Maxwell's needle	02
05.	Freely falling body apparatus for determination of 'g' using digital timing	01
06.	Compact set of R.C. circuit.	01
07.	Solenoid set for field strength 'B' and its variction	02
08.	Anderson's Bridge for self Inductance	01
09.	Compact set of L.C.R circuit	01
10.	Ballistic Galvanometer with its Lamp scale arranment	02
11.	Electric Tuning fork for meldes Expt.	01
12.	Mihelsons Interferomiter for wave length of Sodium light -	01
13.	Spectorometer with double varnier & Prism table	02
14.	Sodium Source with its carity sholder	02
15.	Platitum resistance thermoneter	01
16.	Joule's Collorimeter	02
17.	Searls Apporatus for thermal Conduivity of Cupper	01
18.	Monostable multivrater of given specification using 555 Timer	01
19.	He-No laser Source with its cavity sholder	02
20.	Double slit with its frame	02
21.	Difraction grating	02
22.	Tunnel diode	02
23.	Magnetron tube for e/m	01
24.	Soleniod	-
25.	Millikan's oil drop apparatus for determination of charge of Electron-	01
26.	P.N. Junction diode (compact set)	02
27.	Zener diode (Compact set)	02
28.	Phase shift Oscillator	01
29.	Colpitt's OSCillater	01
30.	Digital to Analog Convertor (DAC)	02
31.	Analog to digital Convertor (ADC)	02
32.	Inverting Amplifier using OP. Amplifier (741-351)	02
33.	Non-inverting Amplifier using OP.AMP(741-351)	02
34.	Zero Crossing detector & Comparator	01
35.	OP. Amplifier as an integrator & differentiatier	01
36.	Quinck's Tube for measurement of Suspectibility of Paramagnetic Solution	01

37.	Apparatus for R.I of di-electric lager using surface plasmon resonance	-	01
38.	Apparatus for coupling coefficients	-	01
39.	Apparatus for Holl coefficient of a semiconductor	-	01
40.	Appratus for Reflection & Refraction of microwave	-	01
41.	Wollastons air film for R.I of liquid using total internal reflection	-	01
42.	Apparatus for verification of Stefen's law of radiation	-	01
43.	Gaussian Eyepiece for R.I of Glass by Total internal refletion -		02
44.	Ultrasonic grating	-	
45.	Wheatstone Bridge	-	02
46.	Power source (Battery eliminator in A.C. Source) of different out puts.	-	04
47.	Ammeter	-	06
48.	Galvanometer	-	06
49.	Oscilator	-	02
50.	Resister	-	02
51.	Capacitor	-	02
52.	R.C. Couple Amplifier	-	02
53.	Function generator	-	02
54.	Reading Telescope	-	04
55.	Travelling microscope	-	04
56.	Computer with its all accessories with Printer	-	01
57.	Four Probe set up to measure the energy gap and resistivity a Semiconductor	-	01
58.	Oven	-	01
59.	Ge. Crystals.		

**DEPARTMENT OF ZOOLOGY,
LIST OF APPARATUS AND CHEMICALS UNDER RUSA 2.0**

LIST OF CHEMICALS

Sl.no.	Particulars	Each rate (Approximate)*	Sl.no	Particulars	Each rate (Approximate)*
1	Alcohol		39	Filter paper	
2	Aceto Alcohol		40	Ferous Chloride	
3	Acetic Acid		41	Furfural solution	
4	Acetic Acid (Glacial)		42	Fuschin	
5	Acetate buffer		43	Glyoxalic reagent	
6	Alfa-naphthol		44	Glucose	
7	Benedict's Solution		45	Gentian Violet (1%)	
8	Buins fluid		46	Haematoxylene	
9	Borax carmine		47	Huble's reagent	
10	Buffer tablets		48	Hydrochloric acid	
11	Buffer solutions		49	Iodine Solution	
12	Butanol		50	Iron Haematoxylin	
13	Barfoed's reagent		51	Leishman's stain	
14	Bial's reagent		52	Magnesium Sulphate	
15	Benzene		53	Manganous sulphate	
16	Chloroform		54	Molisch's reagent	
17	Cedar Wood Oil		55	Methylene blue	
18	Caustic soda		56	Mayer's fluid	
19	Copper Sulphate Solution		57	Mann's fluid	
20	Cupric hydroxide		58	Mercuric Chloride	
21	Cover slip		59	Bromophenol blue	
22	Cotton		60	Mayer's Carmalen	
23	Celestin blue solution		61	Methanol	
24	Charcoal		62	Millon's reagent	
25	Cobalt Nitrate		63	Ninhydrin solution	
26	Carbolic Acid		64	Nitric acid	
27	DPX		65	Nylander's reagent	
28	Distilled Water		66	Orange – G- solution	
29	Diethyl ether		67	Olive oil	
30	Ether		68	Oleic acid	
31	Egg albumin		69	Phenol	
32	Esbach's reagent		70	Phenolphthalein indicator	
33	Eosin		71	pH solution of different range	
34	Fehling's solution		72	Potassium Chloride	
35	Formalin		73	Picric Acid	
36	Fructose		74	Potassium ferricianide / Potassium ferrocyanide	
37	Flemming's fluid		75	Protein solution	
38	Ferric Alum Haematoxylin		76	Paraffin	

Sl.no.	Particulars	Each rate (Approximate)*	
77	Periodic Acid		
78	Phenol red indicator		
79	Phenylhydrazine hydrochloride		
80	Potassium iodide		
81	Potassium hydrogen sulphate		
82	Phosphate Buffered Saline(PBS)		
83	Robert's solution		
84	Rectified spirit		
85	Reducing bath		
86	Rancid oil		
87	R.B.C. diluting fluid		
88	Sudan- III		
89	Sudan-IV		
90	Sodium Carbonate		
91	Sodium hypobromite (NaOBr) solution		
92	Sulphosalicylic acid		
93	Sulphuric acid		
94	Sulphur Powder		
95	Sodium Chloride		
96	Sodium hydroxide		
97	Starch		
98	Sodium nitrate		
99	Sodium thio-sulphate		
100	Schiff' s reagent		
101	Starch solution		
102	Sulphosalicylic acid		
103	Standard solution for Protein		
104	Sodium Iodide		
105	Silver Sulphate		
106	Sodium hypobromite solution		
107	Smith's reagent		
108	Saliwanoff's reagent		
109	Sodium acetate		
110	Tertiary Butanol		
111	Thionyl Chloride		
112	Trichloro acetic acid(TAA)		
113	Tannic acid		
114	Urease Powder		
115	Xylene		

*Quantity mentioned minimum pack available of the material and suggestion of rate towards increase of quantity.

LIST OF APPARATUS

Sl.no.	Particulars	Each rate (Approximate)	Sl.no.	Particulars	Each rate (Approximate)
1	Almirah for stocking		38	Pipette with 20mm ³ capacity	
2	Blades for microtome		39	Pestle	
3	Blotting Paper		40	pH meter	
4	Bunsen burner		41	Plastic bucket	
5	Beaker 100ml.		42	Printer, Scanner and Xerox all in one (Colour)	
6	Battery for inverter		43	Printer, Scanner and Xerox all in one LESER	
7	Balance (Analytical)		44	Rack (steel)	
8	Burette (micro)-10ml. cap.		45	Rod (solid)	
9	Computer(LCD) with its accessories		46	Slide	
10	Cover slip		47	Spirit lamp	
11	Cotton		48	Scissor (Fine)	
12	Centrifuse machine		49	Scissor (Blunt)	
13	Colorimeter		50	Slide (Clean grease free)	
14	Centrifuse tube		51	Stabilizer – 3 KW	
15	Conical Flask		52	Spatula	
16	Couplin Jar		53	Test tube Stand	
17	Digital teaching and presentation equipment		54	Test tube holder	
18	Dropper		55	Test tube	
19	Drop bottle		56	Tooth Prick	
20	Dissecting microscope		57	Weight box	
21	Forcep (Fine)		58	Watch Glass	
22	Forcep(Blunt)		59	Wireless Lecture Amplifier	
23	Haemoglobinometer				
24	Haemocytometer				
25	Inverter				
26	Knee Hammer				
27	Laptop				
28	Microscope(Projecting)				
29	Micro- photography Microscope				
30	Mortar				
31	Measuring cylinder				
32	Magnifying glass				
33	Nylon net for catching				
34	Needle(sterilised)				
35	oven				
36	Petridish				
37	Pasteur pipette				

N.B.- Rate includes free delivery and free demonstration at the time of material supply.