

LIST OF EQUIPMENTS FOR THE DEPARTMENT OF PHYSICS

01. *Newton's Ring Experiment (digital)*
02. *Meter Bridge*
03. *Ohm's law kit*
04. *Digital Balance*
05. *Study of V-I and power curve of solar cells and find the maximum power point and efficiency.*
06. *To study the characteristic of BJT in CE configuration and draw the load lines.*
07. *To study the various biasing configuration of BJT for normal case operation.*
08. *To design and study OP Amp -1c (741/351) as integrator and differentiator and study frequency response.*
09. *To determine the wavelength of laser source using diffraction of single slit and double slit.*
10. *Computer (03 Sets)*

**REQUIREMENT LIST OF CHEMICALS AND APPARATUS FOR THE DEPARTMENT OF CHEMISTRY
(+3 STREAMS)**

Sl.No.	Name of the chemicals	Quantity	Sl.No.	Name of the apparatus/Chemicals	
1	Hydrochloric Acid	2x2.5	45	Chloroform	2x500
2	Sulphuric Acid	2x2.5	46	Nickel Ammo. Sulpha	
3	Nitric Acid	1x2.5	47	Dimethyl Glyoxime	1x100
4	Ammo.Hydroxide	2x2.5	48	Carbon disulphide	1x500
5	Acetic Acid (glacial)	2x500	49	Aniline	2x500
6	Ferrous sulphate	2x55	50	Ammo.Bisulphite	1x500
7	Ammo.Sulphate	1x500	51	Ferric Sulphate	1x500
8	Pot.Sulphate	1x500	52	Sodium Thiosulphate	1x500
9	Lead Nitrate	1x500	53	Titanocene (IV)dichloride	1x25
10	Sod.Hydroxide	2x500	54	TLC Silica Gel(analytical chromatography)	2PKT
11	Zinc Sulphate	1x500	55	Lithium borohydride	1x25
12	Ammo. Chloride	2x500			
13	Barium chloride	1x500		APPARATUS	
14	Strontium Chloride	1x500	1.	Beaker 250ml.(ord)	2 4
15	Potassium ferrocyanide	1x500	2	Conical flask 250ml (ord)	24
16	Ammo.Carbonate	1x500	3	Burette (TORSON)50 cc.	15
17	Magnesium Chloride	1x500	4	Burette stand with clamps	10
18	Potassium Chloride	1x500	5	Micropipette	02
19	Sodium Nitrite	1x500	6	Filter paper(ord)-paper sheet	100
20	Cobalt Nitrate	1x100	7	Measuring flask 100ml.(ord)	10
21	Sodium Carbonate	1x500	8	Test tube	5pkt
22	Nessler's Reagent	1x1.25	9	Blow pipe	12
23	Copper Sulphate	1x500	10	Test Tube Holder	12
24	Ethanol	2x500	11	Burette Brush	6
25	Phenol	1x500	12	Test Tube Brush	12
26	Oxalic Acid	1x500	13	Wire gauge	2 4
27	Acetaldehyde	1x500	14	Litmus paper(red/blue)	8
28	Acetone	1x500	15	Thermometer 110 C	05
29	Sodium Bicarbonate	1x500	16	pH paper	2pkt
30	Lead Acetate	1x500	17	Mortar Pastel	02
31	Copper Carbonate	1x500	18	Whatman No.1 Filter paper	1pkt
32	Sodium Thiosulphate	1x500	16	pH paper	2pkt
33	Potassium Chromate	1x500	17	Wire gauge	24
34	Potassium Iodide	1x100	18	Whatman No.1 Filter paper	1pkt
35	Silver Nitrate	1x25	19	pH Meter	01
36	Di-Sod.Hydrogen Phosphate	1x500	20	Conductimeter	01
37	Methanol	1x500	21	Vacuum Pump	01
38	Iodine	1x100	22	Water Bath	01
39	D-fructose	1x100	23	Melting Point apparatus	01
40	Phosphorous Pentachloride	1x500	24	Fire Extinguisher 5Kg	02
41	Schiff's Reagent	1x1.25	25	Exhaust Fan (Large size)	02
42	Copper turning	1x250	26	Electrical weighing machine	01
43	Ceric Ammo. Nitrate	1x100	27	Inverter Battery(Exide)	01
44	Cyclohexane	1x500			

LIST OF EQUIPMENTS FOR THE DEPARTMENT OF BOTANY.

- 01. HP all in one PC.**
- 02. Compound Microscope (OLYMPUS)**
- 03. DSLR camera (SONY)**
- 04. LCD Projector with screen (SONY)**

LIST OF EQUIPMENTS FOR THE DEPARTMENT MATHEMATICS

- 01. All in one laptop (hp/Dell) with 16 GB RAM corresponding with mat lab software as per CBCS syllabus.**
- 02. Pendrive 64 GB**
- 03. Smart Board.**

LIST OF FURNITURE FOR ALL SCIENCE DEPARTMENTS

01. Steel Almirah (glass fitted)

02. Steel Almirah

03. Steel Rack

04. Computer Table (Wipro)

05 .Executive Chair

06 06.Table

07.Laboratory table

08.Stool for laboratory

09.Fibre Chair

10.Office Table