

Laboratory Equipments/Apparatus of different Departments

Botany:

Sl. No	Description	Quantity
1	Laminar flow	01
2	Autoclave	01
3	Anemometer	02
4	Psychrometer	02
5	Lux meter	02
6	Rain gauge	01
7	Haemocytometer	05
8	Farmers Potometer	10
9	Gangos Potometer	10
10	T/A apparatus	10
11	Wilmotts Bubbler	10
12	TLC	01
13	Chromatographic Chamber	01
14	Electrophoretic Unit	01

Zoology:

Sl. No	Description	Quantity
1	Autoclave for Lab Use	01
2	Colori meter	02
3	Spectrophoto meter	01
4	Ultracentrifuge	02
5	Mixture rotor	02
6	Digital balance	01
7	Binocular Microscope	02
8	Compound Microscope	05
9	Simple Microscope	05
10	Projector Microscope	01
11	Laminator air flow	01
12	PCR Insrtument	01

Physics:

Sl. No	Description	Model No.	Quantity
1	Flywheel	SPML003	01
2	Travelling Microscope	BESTO	02
3	Coefficient Viscosity(Capillary flow)	SPML010	01
4	Modulus of rigidity by Maxwell's Needle	SPML005	01
5	Telescope		01
6	Young's Modulus of wire by optical lever method	INDOSAW	01
7	De Sauty bridge(Compare capacitance)	EME005	01
8	To verify the thevenin & Norton theorem	EME011	01
9	To verify maximum power transfer theorem	EME012	01
10	Carey foster's bridge (To determine low resistance)	EME010	01
11	To determine coefficient of thermal conductivity of Cu by searle's apparatus	TPSM004	01
12	Coefficient of thermal conductivity of a bad conductor by Lee & Charlton disc method	TPSM006	01
13	To design a switch (Not gate) using a transistor	DSA021	01
14	Verify AND, OR, NOT & XOR gates using NAND gate	DSA001	01
15	Half add er, Full adder & 4bit binary adder	DSA002	01
16	A stable/ Monostable multi vibrator using 555 timer	DSA005	01
17	Planck's constant using LED of at least 4 different colours	EMP002	01
18	Tunneling effect in Tunnel diode using I-V characteristics	EMP007	01
19	Determination of wave length of	WO003	01

	sodium light and resolving power of flame diffraction grating		
20	V~I characteristics of PN junction diode and light emitting diode	ASP001	01
21	V~I characteristics of Zenev diode and it's use as voltage regulator	ASP002	01
22	Study of characteristics of bipolar junction transistor of CE configuration	ASP004	01
23	To study the frequency response of voltage gain of a RC coupled transistor amplifier	ASP007	01
24	To design inverting amplifier using OP-amp(741-351) & study its frequency response	ASP013	01
25	To add two DC voltage using OP-amp in inverting and non-inverting mode.	ASP016	01
26	To investigate the use of an OP-amp as an integrator or as a differentiator	ASP018	01
27	BH curve of iron using solenoid and determining energy loss	SSP03	01
28	Verification of Stefan's Law of radiation & determination of Stefan's constant	EMT07	01
29	Determination of Boltzmann constant using V-I characteristics of PN junction diode	INDOSAW	01
30	Multimeter for measuring (a) resistance (b) AC & DC voltage, DC current and checking electrical fuses		01
31	To study the variation of thermo emf across 2 junctions of a thermo couple with temperature	TPSM008	01

Chemistry:

Sl. No	Description	Quantity
1	Traube's stalgmometer(Borosil)	01
2	Specific gravity bottle (Borosil)	01
3	Ostwald's viscometer(Borosil)	01
4	Indicator platinum electrode	01
5	Saturated calomel reference electrode	01
6	Potentiometer	01
7	Quinohydrone electrode	01
8	Electrical balance(Melemeter accuracy)	01
9	Bulb thermometer	01
10	Calorie meter with stirrer and thermometer	01
11	Separating funnel with stopper	01
12	Filtering suction pump	01
13	Electronic balance(Dhona)	01
14	G ₃ , G ₄ Crucible	01
15	What man filter paper No.1	01
16	Conducting cell	01
17	Conductivity meter	01
18	Thermostart	01
19	Resistance box	01
20	Headphone	01
21	Induction coil	01
22	2volt battery	01
23	Wheat stone bridge	01
24	Conducting bridge	01
25	Spectrophotometer in visible range	01
26	Reflux condenser	01
27	Hot plate with thermo start	01
28	Electric driven centrifuge with speed indicator	01
29	Kipp's apparatus Borosil & ordinary	01
30	Reagent bottle with stopper dark and colourless	01

Sports Articles:

Sl. No	Description	Quantity
1	Hurdles (Nelco make)	30
2	High jump / Polvault upright with all accessories	01 set
3	Javelin (Aluminium) for men and women	08
4	Discuss for men and women	08