

List of equipments for Star College Scheme under DBT Grant

Department of Chemistry

Sl. No.	Name of equipment	Quantity
1	Digital pH- meter with electrodes	8
2	Digital conductivity meter with cell	4
4	Thermostated water bath	1
5	Hot air oven	2
6	Double Distilled Water Plant (Glass)	1
7	Electrical Shaker	2
8	Muffle furnace	1
9	Magnetic stirrer	4
10	UV lamp	2
11	Hot plate	3
12	Digital Weighing Balance	1
13	Viscometer	20
14	Stalagmometer	20
15	Suction Pump	1

List of Instruments to be purchased under Star College Scheme

Department of Physics

Sl. No.	Name of Instrument	Specification/Model	Company
1.	Astronomical Telescope	Aperture = 6 inch, Type Reflecting Adjustment-Manual (Altazimuth mounting)	--
2.	Diode Laser Light Sources (UV-Blue, Red, Green)	2mWatt-100 mWatt	
3.	He-Ne Laser Source	2mWatt	
4.	Fabry-Perot Interferometer	--	--
5.	Oscilloscope (CRO)	50 MHz, DSO, Scientech 401	Scientech
		50 MHz 2 Channel DSO, SMO502	Scientific
6.	Microprocessor (8085) trainer kit	M8502	Kitek
7.	G M Counter	--	--
8.	Laurent Half Shade Polarimeter	--	--
9.	Multiple Gas Sensor (solid state)	--	--
10.	Voltmeter (DC), Moving coil	5V, 10V	
11.	Ammeter (DC), Moving coil	100mA, 500mA, 1A	
12.	Galvanometer (DC), Moving coil		
13.	Battery eliminator	0-12 V	
14.	Slide Wire Rheostat	5 ohm, 10 ohm	
15.	Resistance box (Low range, High range)	0.1- 0.5 ohm, 0-5000 ohm	
16.	Stop Watch Digital	--	
17.	Zener Diode Characteristics Apparatus	--	
18.	PN Junction Diode Characteristics Apparatus	--	
19.	Bar Pendulum	Stainless steel	
20.	Vibrational Magnetometer	--	
21.	Equilateral Prism	50x600 mm	
22.	Bar Magnet	Alnico , 75 mm	
23.	Glass Slab	75x50x18 mm	
24.	Multimeter Digital	HTC DM-97	HTC
		DM 97, Scientech	Scientech
		SM7023 3¾ Auto Range Digital Multimeter	Scientific
25.	Spherometer	SS and Brass Disc type, 100 div	
26.	Screw Gauge	Stainless Steel, 10x1 mm	
27.	Meter Bridge	Mica finished wooden	
28.	Potentiometer (10 wire)	Mica finished wooden	

List of equipments for Star College Scheme under DBT Grant

Department of Botany

(A) Equipments

Sl. No.	Product	Quantity
1	Hot air oven	1
2	Shaker	1
3	Dehumidifier	1
4	Dehumidifier controller	1
5	Electronic balance	1
6	Water distillation set	1
7	Air conditioner, 1.5 tone	2
8	AC regulator	1
9	Photoperiodic timer	1
10	Autoclave (vertical)	1
11	Laminar Air Flow (Horizontal)	1
12	Membrane Filter, pore size- 0.22µm; 150 ml	1

(B) Glassware

Sl.No.	Product Borosil	Capacity	Quantity
1	Beaker; low form	10 ml	4
2	Beaker; low form	100 ml	4
3	Beaker; low form	250 ml	2
4	Beaker; low form	500 ml	2
5	Beaker; low form	1000 ml	2
6	Cylinder	100 ml	4
7	Cylinder	500 ml	2
8	Cylinder	1000 ml	2
9	Flask	150 ml	5
10	Flask	250 ml	40
11	Flask	500 ml	2
12	Flask	1000 ml	2
13	Petri dish	100x17mm	10
14	Pipette	0.1 ml	5
15	Pipette	1.0 ml	5
16	Pipette	5.0 ml	5
17	Pipette	10 ml	6
18	Test Tube	25x150mm	100

(C) Chemicals

Sl. No.	Product	Packing
1	Activated charcoal	100gm
2	Adenine sulphate	10gm
3	Agar powder	500gm
4	Ammonium nitrate	500gm
5	6- Benzylaminopurine	5gm
6	Boric acid	500gm
7	Calcium chloride,dehydrate	500gm
8	Cobalt chloride, hexahydrate	100gm
9	Copper sulphate, pentahydrate	500gm
10	2,4-Dichlorophenoxy-acetic acid	200gm
11	EDTA, disodiumsalt, dihydrate	100gm
12	Ferrous sulphate, heptahydrate	500gm
13	Glycine	500gm
14	Indole-3-acetic acid	5gm
15	Indole-3-butyric acid	5gm
16	Kinetin	1gm
17	Magnesium sulphate, heptahydrate	1kg
18	Manganese sulphate	500gm
19	Meso-inositol	25gm
20	Nephthaleneacetic acid	25gm
21	Nicotinic acid	100gm
22	Polyvinypyrrolidone	100gm
23	Potassium dihydrogen phosphate	500gm
24	Potassium iodide	100gm
25	Potassium nitrate	500gm
26	Pyridoxine hydrochloride	10gm
27	Sodium alginate	100gm
28	Sodium molybdate dihydrate	100gm
29	Sucrose	1kg
30	Thiamine hydrochloride	25gm
31	Tween-20	500ml
32	Zinc sulphate, heptahydrate	1kg