Botany Departments

Requirements

S.L No.	Item
1	Soil Thermometer (India mart)
2	Hygrometer (India mart)
3	Rain gauge Lux meter (India mart)
4	Anemometer (India mart)
5	Psychrometer
6	Research Microscope (With LED & Camera) (Swift)
7	Sound Box -Phillips(having blue Tooth Facilities)
8	Cordless microphone (Ahuja)
9	Electric Bilocular –Microscope

Chemistry Department

Requirements

S.L No.	Item
1	I.R. Spectrophotometer
2	Conducto meter
3	Potentiometer
4	Chromatography column
5	Thermostat
6	Colorimeter
	Viscometer
7	Whetstone's bridge
8	Stalagmeter

Zoology Department

Requirements

S.L No.	Item
1	Gel Electrophoresis
2	Immune Electrophoresis
3	Colorimeter
4	Sphigmo manometer
5	Laminar flow
6	spectrophotometer

Physics

Pg - 1/2

FIRST SEMESTER(CII)

NAME OF THE APPRATUS	NUMBER OF APPRATUS
1. SEXSTANT	02
2. FLYWHEEL	02
3. DIGITAL MACHINE FOR "g"VALUE	02
4. POISEUILLE'S METHOD	01
5. MAXWEL'S NEEDLE	02
6. SEARL'S APP FOR ELASTIC CONSTANT	02
7. Y BY OPTICAL LIVER METHOD	02
SECOND SEMESTER(CIII)	
8. RC CIRCUIT	01
9. POTENTIOMETER FOR LOW "R"	01
10. CAREY FOSTER'S BRIDGE FOR LOW "R"	02
11. DE-SAUTY'S BRIDGE	01
12. ANDERSON'S BRIDGE	02
13."L" OF THE COIL BY RALEIGH METHOD	02
14.THEVENIN AND NORTON THM APP	02
15.MAX^{M} POWER TRANSFER&SUPER POS^{N} APP	02
16.VARIATION OF B IN SOLENOID	02
SECOND SEMISTER(CIV)	
17.HELIUM SOURCE	01
18.MERCURY SOURCE	01
19.FRESNEL'S BIPRISM	01
20.PRISM	05
21.PLANE DIFFRACTION GRATTING	02
22.MELDE'S APP	01
23.MICHELSION'S INTERFERROMETER	01
24.3D TRAVELING MICROSCOPE	01

THIRD SEMISTER(CVII)

25.CATHODE RAY OSCILLOSCOPE 02

26.XOR GATE AND NAND GATE 02

27.LOGIC GATE ICS 02

28.HALF-ADDER,FULL-ADDER 02

29.FOUR-BIT BINARY ADDER 02

30.HALF-SUBSTRACTER,FULL-SUBSTRACTER 02

31.ADDER SUBSTRACTER USING FULL ADDER ICS 02

32.FLIP-FLOP(RS,CLOCKED RS,D-TYPE,AND JK)BY NANDGATES 02

33.JK- MASTER SLAVE FLIP-FLOP WITH ICS 02

34.4-BIT COUNTER USING D(JK TYPE FLIP-FLOP ICS 02

35.ASTABLE MULTIVIBRATER BY 555 TIMER 02

36.MONOSTABLE VIBRATOR BY 555 TIMER 02

3RD SEMESTER –CVI

37.THERMAL CONDUCTIVITYBOF CU BY SEARL'S METHOD 02

38.. CONDUCTIVITY OF BAD CONDUCTOR BY LEE &CHARLTON 02

39.PRT(PLATINUM RESISTSNCE THERMOMETER) 02

40.THERMOCOUPLE 02

41.T.C TO MEASURE TEMP BY (A)NULL METHOD &OP-AMP 02

42. 'J' BY CALLENDER & BARNE'S METHOD 02

SEM-IV(CIV)

43.PLANK'S CONSTANT BY BLACK BODY RAD^{N} &PHOTO-DETECTOR 02

44.PHOTO ELECTRIC EFFECT 02

45.WORK FUNCTION OF FILAMENT BY DIRECTLY HEATED VACUUM DIODE. 02

46.PLANCK'S CONSTANT BY USING 4-LEDS 02

47.IONISATION POTENTIAL OF MERCURY 02

48.e/m BY (A)MAGNETIC FOCUSSING &(B)BAR MAGNET 02

49.MILLIKAN'S OIL DROP APP&e of an electron 02

50. TUNNEL DIODE 02

51.LASER SOURCE BY SINGLE SLIT 01

52. LASER SOURCE BY DOUBLE SLIT 01

SEMISTER(IV)-CX

53.V-I GRAPH OF SOLAR CELL 02

54.V-I GRAPH OF LED 02

55.OP-AMP AS AN INTEGRATOR 02

56.OP-AMP AS AN DIFFERENTIATOR 02

57.COLPIT'S OSCILLATOR 01

58.DIGITAL TO ANALOG CONVERTER(DAC) 01

59.ANALOG TO DIGITAL CONVERTER(ADC) 01

60.INVERTING AMPLIFIER BY OP-MP(741-351) 01

61. SIMUL^{N} OF 1ST AND 2ND DIFF. EQUATIONS 01

62. ADD^{N} OFTWO DC VOLTAGE BY OP-AMP INVERTING&NONINVERTING MODE 02