

~~Spectrometer~~

(0.02) 295070117300 81
Coulomb's tube method

- 1 - induction coil.
- 2 - Joule's calorimeter with ~~Q~~ insulated jacket and stirrer.
- 3 - Callendar Barn apparatus.
- 4 - surface tension apparatus by Quinck's method.
- 5 - Mercury
- 6 - ~~millikan's~~ millikan's oil drop apparatus (complete set)
- 7 - Planck's constant apparatus using black body radiation and photo-detector (complete set)
- 8 - photo-electric effect apparatus (complete set)
- 9 - e/m apparatus (Braun tube, power supply etc. complete set)
- 10 - Hall effect apparatus
- 11 - Frank Hertz expt apparatus (complete set)
- 12 - single slit with laser source.
- 13 - double slit with laser source

as a function of resonance freq)

32 - susceptibility of paramagnetic solution. (Quincke's tube method)

33 - magnetic susceptibility of solids (apparatus with complete set)

34 - coupling coefficient of piezoelectric crystal

35 - Dielectric const of dielectric material with freq

36 - Refractive index of dielectric layer using SPR.

37 - PE Hysteresis loop of a Ferroelectric crystal.

38 - BH curve of Fe using solenoid and energy loss from Hysteresis

39. Resistivity of semiconductor (Ge) with temp by four-probe method and to determine band gap.

40. Polarimeter

41 - Babinet compensator

42 - reflection/refraction of microwaves.

43 - Study of Polarization and double slit interference ~~in~~ in microwaves

44 - Refractive index of liquid by

Total internal reflection using
Wollaston's air film.

45. Refractive index of gas/liquid

by Total internal reflection using
~~the~~ Gaussian eyepiece.

46 - viscosity of liquid by oscillating
disc method.

47 - Boltzmann const using

V-I characteristics of PN junction

48 - Stefan's const apparatus (complete
set)

49 - ionisation potential of mercury

50 - Sextant, standard etc in
complete form.

Physics

Description of Items	Model Number
Analog CRO and Function Generator	CRO 30MHZ, Make: HTC
	Function Generator Make: HTC
Digital Multimeter	Model: M01, Mestech
Digital Bread Board Trainer – in-built DC/AC Power supply and FG Different ICs for practical With all supporting components	Model: Tirupathi Model: TB-213
Digital Bread Board Trainer – in-built DC/AC Power supply and FG Different ICs for practical With all supporting components	Model: Tirupathi Model: TB-21
Digital Bread Board Trainer – in-built DC/AC Power supply and FG Different ICs for practical With all supporting components	Model: Tirupathi Model: TB-22
Digital Bread Board Trainer – in-built DC/AC Power supply and FG Different ICs for practical With all supporting components	Model: Tirupathi Model: TB-23

Physics

Digital Bread Board Trainer – in-built DC/AC Power supply and FG Different ICs for practical With all supporting components	Model: Tirupathi Model: TB-24
Digital Bread Board Trainer – in-built DC/AC Power supply and FG Different ICs for practical With all supporting components	Model: Tirupathi Model: TB-24
Digital Bread Board Trainer – in-built DC/AC Power supply and FG Different ICs for practical With all supporting components	Model: Tirupathi Model: TB-25
Digital Bread Board Trainer – in-built DC/AC Power supply and FG Different ICs for practical With all supporting components	Model: Tirupathi Model: TB-32
Digital Bread Board Trainer – in-built DC/AC Power supply and FG Different ICs for practical With all supporting components	Model: Tirupathi Model: TB-33
Digital Bread Board Trainer – in-built DC/AC Power supply and FG Different ICs for practical With all supporting components	Model: Tirupathi Model: TB-34
Digital Bread Board Trainer – in-built DC/AC Power supply and FG Different ICs for practical With all supporting components	Model: Tirupathi Model: TB-35

physics

14	To design an astable multivibrator of given specifications using 555 Timer.	Digital Bread Board Trainer – in-built DC/AC Power supply and FG Different ICs for practical With all supporting components	Model: Tirupathi Model: TB-36
15	To design a monostable multivibrator of given specifications using 555 Timer.	Digital Bread Board Trainer – in-built DC/AC Power supply and FG Different ICs for practical With all supporting components	Model: Tirupathi Model: TB-37

hwl
23.12.17

HOD, PL