

DEPARTMENT OF PHYSICS
MAHISHADAL RAJ COLLEGE

1. Precision Electronic Weighing Scale with Adoptor
 - i) 300 gms. 10 mgm
 - ii) 500 gms 100 mgm
 - iii) 5000 gms $\frac{1}{2}$ gms

2.
 - i) Traveling Microscope V/H Scale R. Quality
 - ii) -do- with NEWTONS RING and S.S. Scale
 - iii) -do- Vertical Reading

3. Micrometer Screw Gauges :
 - i) Brass Body. Size 25mm Pitch 1mm
 - ii) —do--Pitch $\frac{1}{2}$ mm
 - iii) S. Steel Body. Size 25mm Pitch 1mm
 - iv) —do--Pitch $\frac{1}{2}$ mm

4. i) Spherometer Brass Body 1/100 mm
ii) —Do— S. Steel 1/100 mm

5. i) Spirit Level in Brass Rod Heavy C.P. Size : 2", 3", 4"
ii) Spirit Level in Brass Square Pipe Size : 2" 3" 4"

6. Viscosity Apparatus (Poiseuille's method)

7. PRECISION THERMOMETER (MERCURY)
 - i) Size : 16" to 18" 0-110°C $\frac{1}{5}$ M

8. Laboratory mercury thermometer
 - i) -10/110°C x $\frac{1}{2}$ °C
 - (ii) 0/360°C x 2°C
 - (iii) -10/110°C x 1°C

9. Thermal Cond. Apps.: Lee's & Charten Apps. (Brass)

10. Young's Modulus Appts. Set
 - i) Brass bar ii) Steel bar

11. Rigidity Apparatus Set (Dynamical Method)

12. Stop Clock: "ESAL" Brand

13. Stop Watch Metal 1/10, Mechanical (Racer)
14. 1½ Meter Long Optical Bench Double Rod Set
- 15 . Spectrometer Student's Regular Quality
16. Diffraction Grating (5000, 7000, 15000 lines/inch)
17. Sodium Vapour (S.V.) Lamp 35 watts with Transformer & wooden box complete set
18. S.V. Lamp Metal Body Box 35Watts
19. S.V. Lamp Transformer Only for 35 watts
20. Mercury Vapour Lamp
21. M.V. Lamp Teak Wood Box
22. M.V. Lamp Metal Body Box
23. Prism : 25 x 25 mm (EDF)
24. Lenses - Convex & Concave Lens
 - i) Dia 2" (50 mm) (Focal length 10 cms., 15 cms. 20cm)
 - ii) Dia 3" (75mm) (Focal length 10 cm, 15 cm , 20cm.)
25.
 - i) Deflection Magnetometer wooden Complete Set
 - ii) --do-- All Metal Complete Set
26. Vibration Magnetometer Set
27. Resistance box (1 ohm box, 2 ohm box) (0.01-50 ohm) (0-10Kohm)
28. Potentiometer
29. Meter bridge
30. Ac milli-voltmeter (Roorkee) (0-20V)
31. PO box (Sett & De)
32. Search coil (1000 turns)
33. Hall probe

34. Bi-prism (spare)
35. Anelene
36. Eye-piece (spare)
37. H-discharge tube
38. Bread board (Duat make)
39. Connecting wire (22 SWG)
40. Rubber tube (Diameter - 1 cm -1.5cm)
41. Borocil beaker (250, 500, 1000 ml)
42. Test tube
43. Measuring cylinder (50ml, 100ml)
44. Steel Spring - (Length = 10cm, Six different Spring Diameters - 0.8 cm to 2.0 cm; Same number of coils/turns, Diameter of the wire = 0.8 or 1.0 mm)
45. Flywheel Apparatus (Moment of Inertia Determination)
Flywheel: Dia=300mm , Height= 40mm, Mass= 20 to 25 Kg,
Pulley: Dia=22mm
46. Platinum resistance thermometer
47. Self inductance box (40-100 mH)
48. Ballistic Galvanometer: Osaw Type
49. Dead beat galvanometer
50. Multimeter
 - ii) Metravi Multimeter (model -702)
 - iii) Metravi 451 Digital LCR Multimeter
51. Scientific Oscilloscopes
 - i) Model - SM 410
 - ii) –do-- SM 203M
52. Constant current and constant voltage
0-30V 0-5A 4 Digits Variable Adjustable Digital Regulated DC Power Supply

53. Mercury (per Kg)
54. Complete set for Young's Modulus determination of a Wire by Optical Lever
55. Complete set for determination of Modulus of Rigidity of a Wire by Maxwell's needle.
56. Complete set for determination of Elastic Constants of a wire by Searle's method.
57. Complete set for determination of g Bar Pendulum arrangement.
58. Complete set for determination of g by Kater's Pendulum arrangement.
59. Diffraction Slits (spare)
 - i) Single slit
 - ii) Double slit
60. Photosensor
61. Sextant (For measuring height of a building)