

HITKARI SAHAKARI MAHILA SHIKSHA MAHAVIDYALAYA

Aarampura (Dhakarkheri) Kaithoon Road Kota-325001

PHYSICS LAB 2019-20

S.No	Item Name	Qty.
1	Pippet Boracilicale	1
2	Mercury Lamp	1
3	Baranr pin	20
4	Cell box 2 cells PP	3
5	DCC Wire	1
6	Resistance Wire	1
7	Traveling Microscop	1
8	Plug Key 1 way Brass	4
9	Plug key 2 way brass	2
10	Ammeter 3A	2
11	Voltmeter 3V	2
12	Galvanometer	2
13	Resistance Box 1 to 100 OHMs Brass Plug	2
14	Resistance Box 1 to 1000 OHMs Brass Plug	2
15	Reostate 6" Long 160 Ohms Brass	2
16	Connecting Wire red/Black	15
17	Battery Eleminator 2-12V	2
18	Sloted weight 250gm	3
19	Multimeter digital + Stop Watch Digital	1
20	Stand with spherometer with accessories	1
21	Mirror stand	2
22	Reading Lance 2"	2
23	Capillary tube	1
24	Meter scale 1mtr.	1
25	Weight 500gm set with hanger	2
26	Steel wire	1
27	Four way key	2
28	Tube rider	1
29	Study of temperature variation of surface tension by jeagger's method, to determine the polarizing angle for the glass prism surface and to determine the refractive index of the material of prism using brewster's law.	1
30	Low resistance by carey-foster,bridge	1
31	To study the rise and decay of current in LR circuit with a source of constant emf.	1

32	Conversion of galvanometer into ammeter / voltmeter	1
33	Study of bending of a beam and determination of young's modulus.	1
34	Elastic constant by searle's method	1
35	Determination of dispersive power of material of a prism using spectrometer.	1
36	Measurement of wavelength of monochromatic source of light by newton's rings	1
37	Determination of the poisson 's ratio of rubber tube	1
38	Modulus of rigidity by statical method and dynamical method. (S.No.A-2) (2Nos)	1
39	Study of frequency of energy transfer as a function of coupling strength using coupled oscillator. (S.No.A-4)	1
40	Measurement of wavelength of monochromatic source of light by plane transmission grating. (S.No.A-7) (5Nos)	1
41	Measurement of wavelength of monochromatic source of light by biprism. (S.No.A-8) (6Nos)	1
42	Study of specific rotation by polarimeter. (S.No.A-9)	1
43	Determination of resolving power of a plane transmission grating. (S.No.A-10)	1
44	Determination of resolving power 'of telescope. (S.No.A-10A) (3Nos)	1
45	Variation of magnetic field along the axis of circular coil and hence determine the radius of coil. (S.No.B-3) (2Nos.)	1
46	To study the variation of charge and current in RC circuit for different time constants (using DC source). (S.No.B-4)	1
47	To study the behaviour of RC circuit with varying resistance and capacitance using AC Mains as a power source and also determine the impedance and phase relations. (S.No.B-5)	1
48	To study the voltage and current behaviour of LR circuit with a AC power source also determine power factor, impedance and phase relation. (S.No.B-7)	1
49	To study resonance in a series LCR circuit and determine Q of the circuit. (S.No.B-8)	1

Shiksha

Signature of Principal

प्राचार्य

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