SUBJECT- PHYSICS

Sr. No.	Name of the Experiment	Required apparatus	Apparatus available YES/NO
1	Spring mass oscillator	A stand with suspended spring, meter scale	
		Hanger with slotted weights, Stop watch etc.	
2	Surface Tension	Travelling Microscope,	
		Stand with clamp arrangement, Glass beaker	
		A holder with capillary tube & pointer arrangement,	
		Magnifying lens, bulb, distilled water,etc.	
3	Newton's law of cooling	A thimble or calorimeter with wooden lid, stirrer,	
		Thermometer, Stop watch, hot water bath, etc.	
4	Sonometer-I	Sonometer box, wooden bridges with knife edges,	
	Law of length	Set of tunning forks,Hanger with slotted weights,	
		Rubber pad, light paper rider, meter scale, etc.	
5	Sonometer-II	Sonometer box, wooden bridges with knife edges,	
	Law of Tension	Tunning fork,Hanger with slotted weights, Rubber pad	
		light paper rider, meter scale, unknown weight, etc.	

Sr. No.	Name of the Experiment	Required apparatus	Apparatus available YES/NO
6	Resonance tube	A long cylindrical glass or plastic jar filled with water,	
		Resonance tube,Set of tunning forks,Rubber pad	
		Vernier calliper,Retort stand, thermometer,	
		meter scale, etc.	
7	Current Sensitivity	Moving coil table galvanometer, four way key, plug key	
		Reistance box, cell/power supply, reversing key,	
		connecting wires,microammeter,etc.	
8	Law of resistances using	Meter Bridge,Galvanometer,Jockey,Resistance box,	
	Metre bridge	Plug key,tap key,Power supply / Battery,Rheostat,	
		Unknown resistance,connecting wires, etc.	
9	Resistance of galvanometer	Meter Bridge,Galvanometer,Jockey,Resistance box,	
	by Kelvin's method	Plug key,tap key,Power supply / Battery,Rheostat,	
		connecting wires, etc.	
10	E1/E2 using potentiometer	Potentiometer,Laclanche & Daniel cell/ Dry cells,	
		Galvanometer,jockey,Plug key,Power supply/Battery	
		Commutator key/ four way key, resistance box,	

Sr. No.	Name of the Experiment	Required apparatus	Apparatus available YES/NO
	E1/E2 using potentiometer	Rheostat,connecting wires, etc.	
11	Internal resistance of cell	Potentiometer,Dry cell, resistance box,	
		Galvanometer,jockey,Plug key,Power supply/Battery	
		Rheostat,connecting wires, etc.	
12	μ1/μ2 by suspension method	A pair of bar magnets	
		(preferably having different magnetic moments),	
		Retort stand, vernier callipers, stop watch, thread,etc.	
13	Characteristics of Zener Diode	Zener diode, DC Power supply,Milliameter,Voltmeter	
		Multimeter, connecting wires, etc.	
14	Study of logic gates	DC Power supply, IC block, probes, digital multimeter,	
		IC7408(AND Gate),IC7432(OR Gate), IC7402(NOT Gate)	
		IC7400(NAND Gate),IC7404(NOR Gate),etc.	
15	Characteristics of transistor	Transistor,Power supply,Milliameter,Micrometer,	
		Voltmeter,probes,multimeter,etc.	

हमी पत्र

मी, श्री./श्रीम. .....
प्राचार्य, कनिष्ठ महाविदयालय.....
असे हमी पत्र लिहून देतो/देते की माझ्या कनिष्ठ महाविदयालयाची प्रात्यक्षिक विषयासाठीची प्रयोगशाळा ही मंडळ कार्यालयाने प्रसिध्द केलेल्या उपकरणांच्या यादीप्रमाणे सर्व उपकरणांनी तसेच भौतिक सुविधांनी सुसज्ज आहे. अथवा पडताळणी समितीने प्रयोगशाळेची पडताळणी केल्यास त्यावेळी सदर उपकरणे उपलब्ध नसल्यास होणा–या कारवाईस मी स्वःत जबाबदार असेल.

दिनांक–
स्थळ–

प्राचार्यांची स्वाक्षरी व शिक्का