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PINGLA THANA MAHAVIDYALAYA

NAAC Accredited College (2ND Cycle)

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No.- PTM/TEN./Phy.(sc)/01/2017

Date : 22.08.2017

-: TENDER NOTICE :-

An urgent sealed tenders are invited for supplying the Physics Lab. Equipment (Attached separate sheet) of Pingla Thana Mahavidyalaya. The suppliers are requested to submit their tenders (in details) on or before 31.08.17 at 2-00 p.m.. Preference will be given to those who will supply genuine quality of materials within the stipulated period. Tenders will be opened on 04.09.17 at 12-00 noon.

(PROF. DEBASES DAS)
Teacher-in-Charge
Pingla Thana Mahavidyalaya

SL. NO	Name of Equipment
1	Measurements of length (or diameter) using vernier caliper, screw gauge and travelling microscope.
2	To determine the height of a building using a Sextant.
3	To determine g and velocity for a freely falling body using Digital Timing Technique
4	To determine Coefficient of Viscosity of water by Capillary Flow Method (Poiseuille's method).
5	To determine the Young's Modulus of a Wire by Optical Lever Method.
6	To determine value of Planck's constant using LEDs of at least 4 different colours.
7	Photo-electric effect: photo current versus intensity and wavelength of light; maximum energy of photo-electrons versus frequency of light
8.	Spring constant Apparatus
9.	Moment of Inertia of a Flywheel
10.	Determine the elastic Constants of a wire by Searle's method To determine work function of material of filament of directly heated vacuum diode
11.	Complete set for determination of Modulus of Rigidity of a Wire by Maxwell's needle
12.	Complete set for determination of g Bar Pendulum arrangement(Brass)
13.	Complete set for determination of g by Kater's Pendulum arrangement (Brass)
14.	To determine value of Boltzmann constant using VI characteristics of PN diode With digital meter
15.	To determine the wave length of H alpha emission line of hydrogen atom
16.	To determine the ionization potential of mercury
17.	To determine the value of e/m by (a)magnetic focusing or (b) Bar magnet.
18.	To determine the millikan oil apparatus and determine the charge of an electron.
19.	Measurements of length (or diameter)using vernier-caliper - 150mm
20.	Measurements of length (or diameter)using Screw Gauge -25mm.
21.	To study the random error in observations