

DEPARTMENT OF PHYSICS, SURYA SEN MAHAVIDYALAYA
REQUIREMENT OF INSTRUMENTS FOR SEM II & III

SL. NO.	DESCRIPTION OF WORK/ ITEM(S)	
		Specification(s)
1	To determine the frequency of an electric tuning fork by Melde's experiment and verify $\lambda^2 \propto T$ law	Complete set
2	Schuster's focusing; determination of angle of prism	Complete set with - a) Spectrophotometer b) Prism c) Na and Hg sources
3	To determine Mechanical Equivalent of Heat, J, by Callender and Barne's constant flow method.	Complete set
4	Logic circuit trainer kit	(Make - Aplab)
5	Kit to design (i) Half Adder, (ii) Full Adder and (iii) 4-bit binary Adder	a) with logic measure using inbuilt 2 coloured LED b) both logic measure using inbuilt LED and voltage measure with inbuilt DVM (0-20 V, 0.01 V)(Make - Excel technology)
6	Kit to design Half Subtractor, Full Subtractor, Adder-Subtractor using Full Adder IC	a) 9 input and 5 output : all with provision of both logic measure with 2 coloured LED, b) +5V power supply with ground (all ground points internally shorted), inbuilt DVM (0-20 V, 0.01 V) c) with bread board(Make - Excel technology)

7	Flip-flop(s) Trainer kit (with clock signal) (RS, Clocked SR, D-type and JK Flip Flops) using NAND gate)	Complete set with - a) with logic measure using inbuilt 2 coloured LED b) both logic measure using inbuilt LED and voltage measure with inbuilt DVM (0-20 V, 0.01 V) c) Clock input etc.(Make - Excel technology)
8	Kit to design JK Master-Slave Flip-flop using Flip Flop IC	Complete set with - a) with logic measure using inbuilt 2 coloured LED b) both logic measure using inbuilt LED and voltage measure with inbuilt DVM (0-20 V, 0.01 V) etc.(Make - Excel technology)

07/A

Quotation Notice - SSm/Q/ (2019 dt 05/11/19)

Sealed Quotations are invited from the reputed vendors for supply of the above items at the college on or before - 15/02/19

Principal
SURYA SEN MAHAVIDYALAYA
SILIGURI-04