Phone: 03211-244224 (Office) / 03211-245444 (Principal Office)
Fax: 03211-245444
website: www.srsvidyamahapitha.org
e-mail: srsvidyamahapitha@yahoo.com

SRI RAMKRISHNA SARADA VIDYA MAHAPITHA

[GOVT. AIDED GENERAL DEGREE COLLEGE]

Affiliated to the University of Burdwan

P.O. KAMARPUKUR, DIST. HOOGHLY, PIN—712612 (W.B)

[NAAC ACCREDITED]

Notice No. 169/2018 Date: 01/12/2018

Sealed quotations are hereby invited from the bonafide suppliers/agencies having GST No. to supply following items to the college. The quotationers are requested to submit quotations in the sealed envelope, mentioning prices including all taxes and delivery charges (if any) and **superscribing the name of material on the envelope**, to the college office personally. They should have capability to supply the items within 10 days from the date of receiving work order. Qualified quotationer will be communicated by the authority.

The authority reserves the right to cancel any or all quotations/notice with/without assigning the reasons to the concerned, and alter the specifications with 7(seven) days' notice (including holidays) on the college website. The authority may re-invites quotation on any head if it necessitates. Quantity of items, if mentioned, in this notice may differ with the work order. In any course, the authority may withheld the payment to the concerned if the items do not conform with the quotations.

Last date and time of submission of quotations: 20/12/2018 (Thursday) by 4.00 p.m

List of PHYSICS PRACTICAL

S.l no	Name of the practical	Quantity
1	To determine g and velocity for a freely falling body using Digital Timing Technique.	1
2	To determine the Young's Modulus of a Wire by Optical Lever Method.	1
3	To verify the Superposition, and Maximum power transfer theorems.	1
4	To compare capacitances using De'Sauty's bridge	1
5	Measurement of field strength B and its variation with distance using search coil.	1
6	To study Lissajous Figures.	1
7	To determine the thickness of a thin paper by measuring the width of the interference fringes produced by a wedge-shaped Film.	1
8	To determine Stefan's constant	1
9	To test a Diode and Transistor using a Multimeter.	1
10	To design a switch (NOT gate) using a transistor.	1
11	Half Adder, Full Adder and 4-bit binary Adder.	1
12	Half Subtractor, Full Subtractor, Adder-Subtractor using Full Adder I.C.	1
13	To build JK Master-slave flip-flop using Flip-Flop ICs	1
14	To measure (a) Voltage, and (b) Time period of a periodic waveform using CRO.	1
15	To design a monostable multivibrator of given specifications using 555 Timer.	1
16	Write the following programs using 8085 Microprocessor a) Addition and subtraction of numbers using direct addressing mode b) Addition and subtraction of numbers using indirect addressing mode c) Multiplication by repeated addition. d) Division by repeated subtraction.	1
17	Measurement of Planck's constant using black body radiation and photo-detector	1
18	Photo-electric effect: photo current versus intensity and wavelength of light; maximum energy of photo-electrons versus frequency of light	1
19	To determine work function of material of filament of directly heated vacuum diode.	1
20	To setup the Millikan oil drop apparatus and determine the charge of an electron.	1
21	To show the tunneling effect in tunnel diode using I-V characteristics.	1
22	To determine the wavelength of laser source using diffraction of single slit.	1
23	To determine (i) wavelength and (ii) angular spread of He-Ne laser using plane diffraction grating	1
24	To study a Wien bridge oscillator for given frequency using an op-amp.	1
25	To design a digital to analog converter (DAC) of given specifications.	1
26	To study the analog to digital convertor (ADC) IC	1
Total		26

01/12/18

Teacher-in-Charge
Sri Ramkrishna Sarada Vidyamahapitha
P.O.-Kamarpukur, Dist-Hooghly

Chemicals (Department of Chemistry)		Company	Quantity
1	Stainless Steel foil, 0.1mm thick, Type 304	Alfa Aesar	(50x50mm)
2	L-Ascorbic Acid (LR Grade)	Merck Chemical	500 g
3	Potassium hydrogen tartrate (LR Grade)	Loba Chime	500 g
4	Ammonia solution 25% Plastic bottle (LR Grade)	Merck Chemical	500 ml.
5	Pyrolusite (manganese dioxide)(LR Grade)	Loba Chime	500 g
6	Brass foil, alloy 260, 0.81mm (0.032in) thick	Alfa Aesar	150x150mm
7	D(+) Glucose, Anhydrous (LR Grade)	Loba Chime	500 g
8	8-Hydroxyquinoline (LR Grade)	Loba Chime	1000 g
9	Potassium hydroxide (LR Grade)	Merck Chemical	500 g
10	Potassium bromide (LR Grade)	Merck Chemical	500 g
11	Potassium bromate (LR Grade)	Merck Chemical	500 g
12	Calcium hypochlorite (LR Grade)	Merck Chemical	100 g
13	Formaldehyde (LR Grade)	Merck Chemical	500 ml x 2
14	Manganese chloride (LR Grade)	Loba Chime	500 g
15	Acetyl Acetone (LR Grade)	Merck Chemical	500 ml
16	Potassium peroxodisulfate (LR Grade)	Loba Chime	250 g
17	Copper(I) oxide (LR Grade)	Loba Chime	500 g
18	Hexafluorophosphoric acid (HPF_6) (LR Grade)	Merck Chemical	500 g
19	Acetonitrile (LR Grade)	Merck Chemical	500 ml
20	Hydrogen peroxide (LR Grade)	Merck Chemical	250 ml
21	Calcium chloride dihydrate	Merck Chemical	500 g
22	Ethyl Acetoacetate	Merck Chemical	500 ml
23	Methyl Salicylate	Loba Chime	500 ml
24	Pthalimide	Loba Chime	500 gm
25	Tolume	Merck Chemical	500 ml
26	Sodium meta bisulphite	Merck Chemical	500 gm.
27	m-dinitro benzene	Merck Chemical	500 gm.
28	Ethyl benzoate	Merck Chemical	500 ml.
29	Phosphoric acid	Merck Chemical	2.5 litr.
30	Methanol	Merck Chemical	2.5 litr.
31	Potassium Piroantimonate (AR)	Merck Chemical	100 gm.
32	Ammonium Hydrozen difluride/Ammonium bifluride	Merck Chemical	500 gm. X 2
Glassware			
1	G-3 sintered glass crucible (50 ml)	Borosil	2 pcs
2	Silica crucible	Borosil	1 pc
3	Burette with screw type needle valve PTFE stopcock (50 ml)	Borosil Glass	5 pc
4	Pipette (5 ml + 10 ml/ glass material)	Borosil	5 pc + 5 pc
5	Graduated pipette (10 ml/ glass material)	Borosil Glass	5 pc
6	Burette (50 ml/ glass material)	Borosil Glass	5 pc
7	Beaker (250 ml)	Borosil Glass	12 pc
8	Conical flask (250 ml)	Borosil Glass	12 pc
9	Petri dish – 4 inch	Borosil Glass	12 pc
10	Best quality test tube		12 box

09/12/18

Teacher-in-Charge
Sri Ramkrishna Sarada Vidyamahapitha
P.O.-Kamarpukur, Dist-Hooghly

Lab Equipments (Dept. of Chemistry)		Company	Quantity
1	Remi Magnetic Stirrer without Hotplate (with digital speed indicator) Model : 2-19, Stirring capacity – 2 ltrs.	REMI	1 pc
2	Digital Balance (Rough Balance, accuracy= 0.01 gm) Model :SF-400C Digital Jewellery/Lab Weighing Scale 600 gm x 10 mg (0.01 G) with wind shield by mLabs	mLabs	1 pc
3	Digital Balance (accuracy accuracy= 0.1 mg), (max capacity- 300g :: Min capacity- 0.001g) Range – 320 gm, readability : 0.001 gm. Pan size : 120 mm Display : LCD/BL Calibration : external Model No. SES323	Saffron	1 pc
4	Teflon Magnetic Stirrer Mixer Stirring Bar Rod Bead With Pivot Ring 2.5 cm, 4.0 cm & 6.0 cm		2+2+2 pc
5	Test tube cleaning brush		12 pc.
6	Beaker cleaning brush		12 pc.
7	Rubber cork (size : 2 to 5 nos.)		25 pcs. each
8	Condenser pipe nylon		15 mtr.
9	Suction cork		12 pcs.
10	Systronics Digital pH meter with electrode, type : 335, pH range : 0-14, Resolution : 0.01 pH, mV range : 0-+1999 (Complete set)	Systronics India Ltd. Model No. 335	2 pcs.
11	Systronics Digital Potentiometer (Type 318) (Complete set)	Systronics India Ltd. Model No. 318	1 pc.
Stationary Items			
1	Vitamin C tablets	Local vendor	24 pc
2	Commercial Vinegar	Local vendor	500 ml
3	High vacuum tight grease (white colour)	Metrox	100 gm
4	Aluminium Foil Food Wrap (paper thin)	Local vendor	500 g
5	Scotch brite	Local vendor	5 pc
6	Bhim bar	Local vendor	200 gm x 3 pcs.
7	Tissue paper roll	Local vendor	3 pcs.

01/12/18

Teacher-in-Charge
Sri Ramkrishna Sarada Vidyamahapitha
P.O.-Kamarpukur, Dist-Hooghly