



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]

Tender Notice No. 096/2019

Date:15/07/2019

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. 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 withhold the payment to the concerned if the items do not conform to the quotations.

Dept. of Physics:

S.I no	Practical name and description	MODEL NO	Quantity
1	To determine g and velocity for a freely falling body using Digital Timing Technique.	Spanco tek-SPML-011	2
2	To study the Motion of Spring and calculate (a) Spring constant, (b) g and (c) Modulus of rigidity.	Spanco tek-SPML-009	2
3	To determine the Young's Modulus of a Wire by Optical Lever Method.	Spanco tek-SPML-004	2
4	To study the characteristics of a series RC Circuit.	Spanco tek-EME-008	1
5	Measurement of field strength B and its variation with distance using search coil.		2
6	To study the response curve of a parallel LCR circuit and determine its (a) Anti-resonant frequency and (b) Quality factor Q.	Spanco tek-EME-009	1
7	To investigate the motion of coupled oscillators.	Spanco tek-FE-111	1
8	To determine the thickness of a thin paper by measuring the width of the interference fringes produced by a wedge-shaped Film.	Spanco tek-SK-029	1
9	To calibrate a thermocouple to measure temperature in a specified Range using (i) Null Method, (ii) Direct measurement using Op-Amp difference amplifier and to determine Neutral Temperature.		1
10	To design a switch (NOT gate) using a transistor.	DSA-001	1
11	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
12	To determine work function of material of filament of directly heated vacuum diode.	Spanco tek-EMP-001	1
	Photo-electric effect: photo current versus intensity and wavelength of light; maximum energy of photo-electrons versus frequency of light	SK-054	1
13	To determine the absorption lines in the rotational spectrum of Iodine vapour.	EMP-003	1
14	To determine the wavelength of H-alpha emission line of Hydrogen atom.	SK-071	1
15	Study of V-I & power curves of solar cells, and find maximum power point & efficiency.	ASP-003	1
16	To investigate the use of an op-amp as an Integrator / Differentiator.	ASP-018	1
17	To measure the Dielectric Constant of a dielectric Materials with frequency.	SSP-02	1
18	To study the PE Hysteresis loop of a Ferroelectric Crystal.		2
19	To measure the resistivity of a semiconductor (Ge) with temperature by four-probe method (room temperature to 150 0C) and to determine its band gap.	SK-012	1
20	To determine the Hall coefficient of a semiconductor sample.	SK-006	2
21	To determine the wavelength and velocity of ultrasonic waves in a liquid (Kerosene Oil, Xylene, etc.) by studying the diffraction through ultrasonic grating.	EMT-03	1
22	To analyze elliptically polarized Light by using a Babinet's compensator.	EMT-001	1
23	To determine the refractive Index of (1) glass and (2) a liquid by total internal reflection using a Gaussian eyepiece.	EMT-04	1
24	To determine the Boltzmann constant using V-I characteristics of PN junction diode.	EMT-08	1
25	To verify the Stefan's law of radiation and to determine Stefan's constant.	EMT-07	2
26	To design an Amplitude Modulator using Transistor		1
27	To study envelope detector for demodulation of AM signal		1
28	To study FM - Generator and Detector circuit		1
29	To study AM Transmitter and Receiver		1
30	To study FM Transmitter and Receiver		1
31	To determine the excitation potential of mercury/Argon by Franck-Hertz experiment.		1
32	To determine the value of e/m by (a) Magnetic focusing or (b) Bar magnet.		1
33	To setup the Millikan oil drop apparatus and determine the charge of an electron.		1
34	To determine the Moment of Inertia of a Flywheel / regular shaped body.		1
35	CRO	OS-20	4



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Dept. of Chemistry:

Lab Equipments	Products	Quantity
1 Digital Rough Balance Jewellery Weighing Scale 500 gms, 10 mg accuracy with white back light display, adapter included.	Any	two complete set
2 Vacuum Pump with pressure tube 25 ltrs capacity single stroke electrical operated with V belt fitted with heavy iron base Crompton Greaves motor ½ hp capacity	Any	one set
3 Water bath double wall inner chamber SS with concentric ring electrical operated thermostatic controlled 6 Holes (75mm Dia) Capacity Sentwin or 12 Holes Capacity Censia	Sentwin/ Censia	two complete set

Computers:

Sl. No.	Specifications	Company	Quantity
1.	Core i3, 8 th Gen, 4GB RAM, 1 TB Hard Disk, Original Windows 10 Pro, 18.5 inch Screen	HP	Physics Dept. – 06 Computer Science Dept.- 06

Furniture:

Sl. No.	Item	Specifications	Company	Quantity	Department	Remarks
1.	Standard Plywood rack with shattering channel system in balance room	18' x 3'	N.A	01	Chemistry	Please do a survey prior to quotation submission
2.	Steel Almirah	6'6" (H) x 3'4" (W) x 1'9" (B) Height between racks = 8" Gaze = 18	N.A	07	Physics	N.A
3.	Steel tool	1'6" – 1'8" (H)	N.A	16	Physics	N.A
4.	Steel Almirah	6'6" (H) x 2'10" (W) x 1'2" (B) Height between racks = 1'3" Gaze = 18	N.A	10	Library	N.A
5.	Steel Almirah	6'6" (H) x 2'10" (W) x 1'4" (B) Height between racks = 1'6" Gaze = 18	N.A	10	Office	N.A
6.	Writing pad chair	standard	N.A	120	ICT class room	N.A
7.	Visiting three seater chair (steel made)	Standard	NA	2	Office	NA

Last date and time of submission of quotations: 26/07/2019 by 4.00 p.m

Dr. Chittaranjan Ghosh

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Teacher-in-charge



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