

VIDYASAGAR COLLEGE FOR WOMEN  
39,SANKARGHOSELANE,KOLKATA-6  
TenderNotice:VCFW/NB/ELTG-1/24

Sealed quotations are invited by the Principal of Vidyasagar College For Women, 39 Sankar Ghosh Lane, Kolkata – 6 from the Reputed/enlisted vendors for “Instruments of Electronics .” of New Building in Vidyasagar College For Women”. The Tender paper shall be received upto 11.00 A.M. on 08.02.2024.

Quotation should be in the name of “Principal, Vidyasagar College for Women, 39 Sankar Ghosh Lane, Kolkata – 700006”. Please mention the Tender Notice number at the top of the envelope and inside the quotation.

Details specifications are attached herewith.

VIDYASAGAR COLLEGE FOR WOMEN  
39,SANKAR GHOSH LANE, KOLKATA-6

**Department of Electronics**

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❖ **Details specifications of the Instruments**

SL. No.	DESCRIPTION OF ITEM	QTY.	RATE	AMOUNT
1.	1. <b>Portable LCR meter</b> Make: Metravi	01		
2.	<b>FM Modulation &amp; Demodulation Trainer kit.</b> <b>Technical Specifications:</b> <ul style="list-style-type: none"> <li>• In Built IC based DC Regulated Power Supply +12V/ 250mA.</li> <li>• On Board Sine Wave Audio Frequency Signal Generator</li> <li>• Frequency: 2 KHz &amp; 4KHz Amplitude: 0-2.8 Vpp</li> <li>• Modulation using VCO 8038 (Carrier generator internally 62KHz, 5.5Vpp)</li> <li>• Demodulation Circuit Using Phase Locked Loop IC LM 565.</li> <li>• Circuit Diagram Printed on Glass Epoxy PCB &amp; all Important IC's &amp; Test Points Brought out on Front Panel.</li> </ul> <b>Experiments</b> <ul style="list-style-type: none"> <li>• Observe Change in the Carrier Frequency According to the Amplitude of the Modulating Signal.</li> <li>• Calculate Modulation Index of the Modulated Signal.</li> <li>• Recovery of Modulating Signal From Demodulator Circuit.</li> </ul>	01		
3.	<b>PAM Trainer Kit.</b> <b>Technical Specifications:</b> <ul style="list-style-type: none"> <li>• 074with adjustable gain control.</li> <li>• Points brought out on front panel.</li> <li>• Power requirement: 230 VAC , 50Hz.</li> </ul> <b>Experiments</b> <ul style="list-style-type: none"> <li>• Observe flat top samples, natural samples, sample &amp; hold at different sampling frequencies.</li> <li>• Recovery of modulating signal from De-modulator circuit</li> </ul>	01		
4.	<b>PWM Trainer Kit.</b> <b>Technical Specifications:</b> <ul style="list-style-type: none"> <li>• In built IC based DC regulated power supply +12V, + 5V/ 300mA.</li> <li>• On board sine wave audio frequency signal generator</li> <li>• Frequency: 1 KHz &amp; 2KHz Amplitude: 0-10Vpp &amp; 0-4 Vpp</li> <li>• On board sampling pulse generator (Frequency: 8KHz, 16KHz, 32KHz, 64KHz Amplitude: 5Vpp)</li> <li>• Modulation using IC 7555 multi vibrator.</li> <li>• Demodulation of PWM using 4 order / low pass filter &amp; AC amplifier using</li> <li>• TL 074 with adjustable gain control.</li> <li>• Circuit diagram printed on Glass Epoxy PCB &amp; all important IC's &amp; test</li> <li>• Power Chord, Patch Chords &amp; Instruction Manual.</li> </ul> <b>Experiments</b> <ul style="list-style-type: none"> <li>• Observe flat top samples, natural samples, sample &amp; hold at different sampling frequencies.</li> <li>• Recovery of modulating signal from De-modulator circuit</li> </ul>	01		
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Date:

Signature of the contractor

Place:

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