

**Department of Optoelectronics, University of Kerala, Kariavattom,
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Quotation Notice

OPTO/P-06/2022-23

Quotations are invited for the purchase of the following items in the Department

1. Regulated dual power supply unit- 5Nos

| | |
|-----------------------|---|
| Input voltage | 230V AC at 50Hz |
| Output voltage | 0 -30V DC |
| Line regulation | 0.05% |
| Load regulation | 0.05% |
| Overshoot | turn-on or turn-off |
| Operating temperature | 25 ^o C to +85 ^o C |

2. IC Trainer KIT- 3Nos

10 Logic Input switches with LED Indication for logic low and logic high.

10 LED for output indication with LED Driver.

Fixed Clock generation of 128 KHz, 64 KHz, 32 KHz, 16 KHz, 8 KHz, 4 KHz, 2KHz, 1 KHz, 500 Hz.

Logic pulsar provides single pole double throw bounce less pulses of low to high and high to low transitions.

Solder less breadboard with 840 tie points.

Two seven-segment LED display with decoder driver and provision for BCD input

Trainer is housed in a strong cabinet.

All interconnections (Input/output) are made using 2mm banana Patch Cords.

3. IC Tester- 2Nos

Display type:16x2 Backlit Alphanumeric LCD

Keyboard: 24 keys Keyboard

Package: Digital ICs 14, 16, 20, 24, 28 & 40 Pin DIP and Analog/Linear ICs 6, 8, 14, 16 & 20 Pin DIP

Digital IC range: 74 series of TTL ICs, 40 and 45 series of CMOS ICs,

Microprocessors (8085,8086,8088, Z80,6502) Peripheral ICs

(8255,8253,8251,8259,8155,8279,Z80 PIO) EPROMs (blank check only)

RAM ICs 6116,6264,62256 etc.,

Analog IC range: Operational Amplifiers, Comparators, Transistor Arrays, Optocouplers, Analog Switches, Multiplexers, Voltage followers, timers, cross point switches, ADC, DAC etc.,

Method :Output test with simulated inputs and at nominal load Truth table comparison

Sockets: 20 pin ZIF for Linear and 40 pin Universal ZIF for Digital ICs.

Voltage range:230V 50Hz +/- 10%

The price may clearly indicate installation, applicable tax, packing, forwarding and handling charges etc separately.

The firms who wish to supply the item are requested to submit the quotation in sealed cover to the undersigned not later than 4:30pm on 05.09.2022. Quotations will be opened at 10:30am on next working day (06.09.2022) in the presence of the suppliers or their authorized agents.

Sd/-

24.08.2022

Professor & Head