



# PANSKURA BANAMALI COLLEGE

(AUTONOMOUS)

Largest Rural Based, NAAC Re-accredited 'A' Grade (2016-2021)

DST-FIST (Govt. of India), BOOST-DBT (Govt. of West Bengal) sponsored College

Website : [www.panskurabanamalicollege.org](http://www.panskurabanamalicollege.org)

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P.O. - PANSKURA R.S. : PIN - 721152 : DIST. - PURBA MEDINIPUR : WEST BENGAL : INDIA

P.B.C./BCA /Quot.19/22

Date: 21/10/2023

## TENDER NOTICE

Sealed Quotations are invited from reputed firms/distributors for the supply of the following items for the Department of **BCA**. Sealed Quotations must reach to the Principal, Panskura Banamali College, P.O- Panskura R.S, Dist- Purba Medinipur, Pin-721152, on or before 18/01/2023 indicating the name of the department on the envelop. Price should be inclusive of all taxes.

Sl No	List of the instruments	Qty
1	Micro Lab Trainer Kit (Make.SHREE Enterprises) The trainer kit consists of 8 input lines,8 output lines, DC regulated power supply $\pm 12V, 5VDC$ , 12-0-12V AC power supply, Clock pulse generator & Plus switch(manual), 2 nos Bread Board etc and complete with short circuit protection and trip out protection with Terminals Snap-fit made of brass with nickel coated. • Specifications attached.	5 pc
2	Microprocessor kit 8085 with inbuild power supply. (ASICO/Dynalog/ESA ) preferable (Triode Electronics ) • Specifications attached.	10 pc
3	IC7400	100 pc
4	IC7402	100 pc
5	IC 7404	50 pc
6	IC 7408	100 pc
7	IC 7410	100 pc
8	IC 7411	100 pc
9	IC 7420	50 pc
10	IC 7430	50 pc
11	IC 7432	100 pc
12	IC 7442	25 pc
13	IC 7447	25 pc
14	IC 7448	25 pc
15	IC 7473	50 pc
16	IC 7474	50 pc
17	IC 7475	25 pc
18	IC 7476	25 pc
19	IC 7483	25 pc
20	IC 7485	25 pc
21	IC 7486	25 pc
22	IC 7490	25 pc



23	IC 74138	25 pc
24	IC 74139	25 pc
25	IC 74151	25 pc
26	IC 74153	25 pc
27	Seven Segment Display	25 pc
28	Cutter	25 pc
29	Twiser	25 pc
30	Bread Board (Best quality)	25 pc
31	Hook of Wire (Sunny Size : 1/022) Length 91.44 Mtrs. Per Coil	10 coil

# 1. **Analog & Digital Trainer Board.**

## **Specification:**

- Input Supply: 230  $\pm$ 10% AC 50Hz.
- Output Supply: +5V/500mA with short circuit and 30 sec delay trip circuit protection.
- $\pm$ 12V /500mA with short circuit and 30 sec delay trip circuit protection.
- Clock pulse generator (Manual & Auto) with TTL and inverted TTL facility.
- 8 nos Logic level indicator inputs
- 8 nos logic probe Outputs.
- Board should provide LED indication & Fast nano-circuit breaker protection.
- Step down transformer out: AC 12-0-12(500mA)
- Breadboard: 2nos. of breadboard with detachable facility.
- NORMAL HOOKUP WIRE CAN BE USED AS PATCH CORD WITH METAL TERMINAL PUSH TO OPEN TYPE connector to be mounted on board.
- Warranty: 5 years for unit
- Warranty: 10-15 years for Terminals Snap-fit made of brass with nickel coated.

## **Safety features.**

- KIT SHOULD BE CAPABLE TO BEAR SHORT CIRCUIT / OVER LOAD PROTECTION FOR INDEFINITE PERIOD.
- ANY HOOKUP WIRE SHOULD BE USED AS PATCH CORD WITHOUT ANY CONNECTOR OR JACK.
- CONNECTIVITY OF ALL METAL TERMINAL PUSH TO OPEN TYPE FOR CONNECTION WITH 10-15 YEARS PERFORMANCE TYPE.
- POWER SUPPLY SHOULD BE CAPABLE TO PROTECT THE DAMAGE OF ANY COMPONENTS FROM WRONG CONNECTION.

# 2. **8085 Microprocessor Trainer kit with power supply.**

## **Specification:**

CPU : 8085A

Memory: 8K RAM expandable to 24K, 32 K EPROM.

Display: 8 digit 7 segment LED display

Keyboard: 33 keys keyboard including RESET.

Parallel port: 2 nos 8255 (Programmable peripheral interface)

Serial Port: 8251A (Programmable communication interface)

Timer: 3 nos 16 bit programmable timers using 8253.

Interrupt: 8259 Interrupt Controller

Software facilities: Break, Single step, Execute, Register, Move, Fill, Input, Output, Insert, Delete etc.

Prof. (Dr.) Nandan Bhattacharyya

Principal

Principal