

DHEMAJI COLLEGE**DHEMAJI, Assam****Pin: 787057**

Ref. No. DC/Quotation/Account/2019-20/11

Dated 18/02/2021

NOTICE INVITING QUOTATION(NIQ)

Scaled Quotation/Tender are invited from reputed and experienced Firm/Suppliers having valid GST account and PAN Number for supply of following laboratory/Office accessories under Govt. of Assam Grant/College internal funds of Dhemaji College, Dhemaji on or before 12.00 pm 24-02-2021. Quotation must contain items brand name with detail specifications and price.

Tender will be open on 24-02-2021 at 3 pm.

(A) Botany (Laboratory Equipment)


Sl. NO.	Name of Equipments	Quantity
1.	Binocular Light Microscope (Laboneed)	2
2.	Agarose gel electrophoresis unit with Power Supply	1
3.	Trasilluminator	1
4.	Micropipette (10-100 µl)	1
5.	Micropipette (1-10 µl)	1
6.	Microtips (10-100 µl)	1 pkt.
7.	Microtips (1-10 µl)	1 pkt.
8.	Thin layer chromatography unit = 1	1
9.	Magnetic beads for magnetic stirrer	1 pkt.

(B) Zoology (Laboratory Equipment) :

Sl. NO.	Name of Equipments	Quantity
1.	Digital pH meter (EuTech, EC pH, TUTOR DS, CyberScan ph Tutor)	1
2.	Serological waterbath (any make)	1
3.	Hemocytometer (Neubuer, Germany, ASIN: B07DSXWL4V)	10
4.	Micro-Pipette 1000 ul (Tarsons, Code : 030050, T1000)	1
5.	Micro-Pipette 10-100 µl (Tarsons, Code : 030050, T100)	1
6.	Micro-Pipette 2-20 µl (Tarsons, Code : 030050, T20)	1
7.	Digital Paraffin embedded bath with 6 cups (any make)	1
8.	Refrigerator 265 L, Double door (Whirlpool/LG)	1

(C) Chemistry (Laboratory Equipment) :

Sl. NO.	Name of Equipments	Quantity
1.	Poarimeter with Sodium Lamp, transformer and jacket	1 Nos.
2.	Digital Balance (High Sensitive 0.001 gram)	1 Nos.
3.	Conductivity Meter (Electrode)	3 Nos.
4.	pH Meter (Electrode)	3 Nos.



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5.	Magnetic Stirrer with hot plate	1 Nos.
6.	Dessicator	1 Nos.
7.	Colourimeter	1 Nos.
8.	Sodium Lamp, transformer and jacket of Polarimeter	1 Nos.
9.	Digital Balance (Low Sensitive 0.01 gram)	1 Nos.

(D) Physics (Laboratory Equipment) :

Sl. NO.	Name of Equipments	Quantity
1.	To determine Mechanical equivalent of heat, j , by Callender and Barne's constant flow method	1 Set
2.	To determine the co-efficient of thermal conductivity of Cu by Angstrom's method	1 Set
3.	To determine the co-efficient of thermal conductivity of a bad conductor by Lee and Charlton's disc method	1 Set
4.	To determine the co-efficient of resistance by Platinum resistance thermometer (PRT)	1 Set
5.	To study the variation of thermo-emf of a thermocouple with difference of temperature of its two junctions	1 Set
6.	To calibrate a thermocouple to measure temperature in a specific range using (i) Null method (ii) Direct measurement using Op-amp difference amplifier and to determine Neutral temperature	1 Set
7.	To determine specific heat of liquids	1 Set
8.	To determine the ratio of specific heats of gases by Clement and Desrome's method.	1 Set
9.	Half Adder, Full Adder, and 4-bit binary Adder.	1 Set
10.	Half Subtractor, Full Subtractor, Adder-Subtractor using Full Adder IC.	1 Set
11.	To build Flip-Flop (Rs, Clocked RS, D-type and JK) circuits using NAND gates	1 Set
12.	To build JK Master-Slave Flip-Flop using Flip-Flop ICs.	1 Set
13.	To build a 4-bit counter using D-type/JK Flip-Flop ICs and study timing diagram.	1 Set
14.	To design an astable multivibrator of given specifications using 555 Timer	1 Set
15.	To design a monostable multivibrator of given specifications using 555 Timer	1 Set
16.	80855 Microprocessor kit for (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. (e) Handling of 16-bit numbers. (f) Use of CALL and RETURN instruction. (g) Block data handling. (h) Other programs e.g. Parity Check, using interrupts etc.	1 Set

N.B. : Order will be placed only those items finally selected by the concerned departments, i.e. all item may not be ordered.


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