



OFFICE OF THE PRINCIPAL
BARKHETRI COLLEGE

NARAYANPUR, MUKALMUA

Dist- Nalbari: Assam- 781126

NAAC Accredited with 'B' Grade

Dr. Birinchi Choudhury, MA, Ph.D, M.Phil, (UGC) SLET

I/C Principal cum Secretary

Website: www.barkhetricollege.ac.in

Email: barkhetricollege@yahoo.in

Ref No. BCNM / Tender / 2677/2025

Date: 10.10.2025

NOTICE INVITING TENDER

Sealed quotations are invited from reputed **Vendors / Manufacturers / Dealers**, possessing valid **GSTN registration**, for the supply of practical instruments and two (2) **Desktop Computer** at the premises of **Barkhetri College, Narayanpur, Mukalmua, Nalbari**.

The details of the required items are as follows

Higher secondary practicals	Quantity
1. Use of Vernier Callipers (i) To measure diameter of a small spherical/cylindrical body. (ii) To measure dimensions of a given regular body of known mass and hence find its density. (iii) To measure internal diameter and depth of a given beaker/calorimeter and hence find its volume.	5 piece
2. Use of screw gauge. (i) To measure diameter of a given wire. (ii) To measure thickness of a given sheet. (iii) To measure volume of an irregular lamina.	5 piece
3. To determine radius of curvature of a given spherical surface by a spherometer.	5 piece
4. To find the weight of a given body using parallelogram law of vectors.	3 piece
5. Using a simple pendulum, plot L- T and L-T ² graphs. Hence find the effective length of a second's pendulum using appropriate graphs.	3 piece
1. To study the variation in volume with pressure for a sample of air at constant temperature by plotting graphs between P and V, and between P and 1/V.	2 piece
2. To determine the surface tension of water by capillary rise method	3 piece
3 (i) To study the relation between frequency and length of a given wire under constant tension using sonometer. (ii) To study the relation between the length of a given wire tension for constant frequency using sonometer	3 piece
3 To find the speed of sound in air at room temperature using a resonance tube by two resonance position.	3 piece

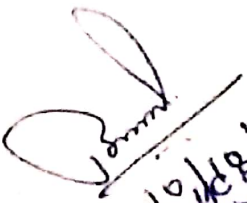
10/10/25
Barkhetri College
Narayanpur, Mukalmua
Date



FYUGP BSc 4 th semester programme (NEP based)		
Course name	Practicals	Quantity and Specification
1. Mathematical Physics	Use computer programming to i. Solve differential equation ii. Perform matrix multiplication iii. Compute eigenvalues and eigenvectors iv. Find the solution of partial differential equation	Quantity: 2 Two Desktop computers Display: 24 inch RAM: 8 GB DDR5 Processor: i5 processor / i3 processor 256 GB SSD C drive Storage: 1 TB OS: Microsoft windows (licensed) Office: MS office (licensed) UPS: 2

FYUGP BSc 5 th semester programme (NEP based)		
Course name	Practicals	Quantity
1. Condense Matter Physics	i. To determine the Coupling Coefficient of a piezoelectric crystal	1
	ii. To determine the B-H curve of Fe using solenoid & determine energy loss from hysteresis	1
2. Electromagnetic Theory	i. To verify the law of Malus for plane polarised light	1
	ii. To determine the specific rotation of sugar solution using Polarimeter	1
	iii. To verify the Stefan's law of radiation and to determine Stefan's constant.	1
	iv. To determine the wavelength of laser source using diffraction from double slits.	1
3. Heat and Thermodynamics	i. To determine specific heat of a liquid using calorimeter	1
	ii. To determine the mechanical equivalent of heat, J using calorimeter	1

FYUGP BSc 6 th semester programme (NEP based)		
Course name	Practicals	
1. Digital Electronics	i. To verify and design AND, OR, NOT, and XOR gates using NAND gates.	1
	ii. To design a combinational logic system for a specified Truth Table.	1
	iii. To convert a Boolean expression into a logic circuit and design it using logic gate ICs.	1
	iv. To design a Half Adder and Full Adder	1


 10/10/24
 Barkhetri
 Narayanpur, Mukamu
 Date



Terms & Conditions:

1. **Submission Deadline:**

Quotations must be submitted **within 10 (ten) days** from the date of publication of this notice on the college website.

2. **Mode of Submission:**

Quotations may be submitted either:

- **Via Email:** barkhetricollegequotations@gmail.com
- **Hard Copy:** In person or by post to:
*The Office of the Principal,
Barkhetri College, Narayanpur, Mukalmua, Nalbari.*

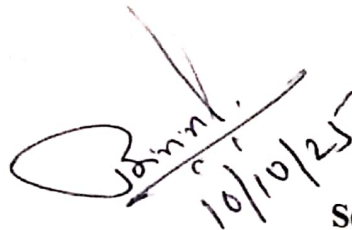
3. **Quotation Must Include:**

- Detailed specifications of the items.
- Total price including all applicable taxes.
- Terms and conditions of delivery and installation.
- Warranty details (**Minimum one-year warranty required**).

4. All items supplied must be of **high quality and from reputed brands**.

5. Vendors are requested to quote the **best possible price and terms**.

6. Any matters not covered under the above clauses shall be governed by the **rules and decisions of the College Authority**.


10/10/25

Sd/-
Principal

Barkhetri College, Narayanpur, Mukalmua

I/C Principal
Barkhetri College
Narayanpur, Mukalmua
Date.