

**DBT Star College Scheme**  
**Jawaharlal Nehru College, Boko**  
**NIQ no: 01(2019)**

**List of Equipments**

<b>Sl. No</b>	<b>Name of equipment</b>	<b>Brand/ Make</b>
1	Compound Light Microscope with mechanical stage	Almico
2	Simple Light Microscope	Almico
3	Monocular Microscope	Lawrence & Mayo
4	<b>Binocular Microscope,</b>	Lawrence & Mayo
5	<b>Trinocular Microscope,</b>	Lawrence & Mayo
6	Dissection Microscope	Lawrence & Mayo
7	Stage Micrometer.	Made in Japan
8	Ocular Micrometer	Made in Japan
9	Camera Lucida (Prism type)	Made in Japan
10	UV-VIS Spectrophotometer(Computer Aided)	Labtronics/ Systronics
11	Chromatography Chamber	Borosil
12	Lux meter	Biocraft
13	Hypsometer	Pisco
14	Hygrometer	Biocraft
15	Pschrometer	Biocraft
16	Calorimeter	Pisco
17	Respirometer	
18	Max-min thermometer	Zeal England
19	Pocket Ph Meter (Digital)	Hana
20	Pocket Conductivity Meter	Biocraft
21	Digital T D S Meter	Labtronics
22	Anemometer	
23	Digital turbidometer	Labtronics
24	Digital colony counter	Labtronics
25	Digital Balance	Simadzu
26	Microtome machine	Almico

**DBT Star College Scheme**  
**Jawaharlal Nehru College, Boko**  
**NIQ no: 01(2019)**

**List of Equipments**

27	Micropipette (500/1000 $\mu$ m)	1+1/ Ependroff
28	Micro Centrifuge	Tarson
29	Laminar air flow chamber (Small)	Optics
30	Gel electrophoresis system: Horizontal gel electrophoresis; Vertical mini gel system; Power supply; UV-Transilluminator	01/ Bioworld/ Tarson
31	Hot Air Oven (different capacities)	Ikon
32	Atomizers	Borosilicate
33	Ganong's Potometer	Borosilicate
34	Ganong's respirometer	Borosilicate
35	Muffle Furnase	Ikon
36	BOD Incubator	Optics
37	Herbarium Cabinet	
38	Sieve of different mesh size	Ikon
39	Suction Pipette	Tarson
40	TLC Chamber (Rectangular Glass Jar) 10 $\times$ 10 $\times$ 150mm,	Borosilicate, Labco.
41	Paper Chromatography Chamber	<b>Biocraft</b>
42	Slide Cabinet (500 Slide capacity)	Biocraft
43	Sacci Disc Metallic, Craft BSW 24	<b>Craft BSW 24</b>
44	Paraffin Bath, 6 hole for Tissue embedding in Histological study.	MKOW
45	Digital Photoelectric Colorimeter  Make: Systronics, Model No 115	Systronics, Model No 115
46	Haemocytometer,	Marienfield, German

**DBT Star College Scheme**  
**Jawaharlal Nehru College, Boko**  
**NIQ no: 01(2019)**

**List of Equipments**

47	Haemometer,	Marienfield, German
48	Microtome, Model: RMT - 20	Radical,
49	Accupipette, Model:030050	Tarson
50	Sphygnonanometer	
51	Semi Auto Biochemistry Analyzer, Model: Erba Chem5x	Transasia
52	Digital P <sup>H</sup> meter, Model: MKV	Systronics
53	Centrifuge	REMI
54	Turbidity Meter, Type: 132	Systronics
55	Rigidity Modulus Set	BTC/ESEL/PISCO
56	Young Modulus (Searle's appt) & weight	BTC/ESEL/PISCO
57	Torsional Oscillation Method Set	BTC/ESEL/PISCO
58	Bar Pendulum	BTC/ESEL/PISCO
59	Kater's Pendulum	BTC/ESEL/PISCO
60	Polarimeter Bi Quartz Half Shade	BTC/ESEL/PISCO
61	Spring Constant Experiment Set	BTC/ESEL/PISCO
62	Deflection Magnetometer	BTC/ESEL/PISCO
63	Vibration Magnetometer	BTC/ESEL/PISCO
64	Tangent Galvanometer	BTC/ESEL/PISCO
65	Copper Voltmeter	BTC/ESEL/PISCO
66	Potentiometer	BTC/ESEL/PISCO
67	Meter Bridge	BTC/ESEL/PISCO

**DBT Star College Scheme**  
**Jawaharlal Nehru College, Boko**  
**NIQ no: 01(2019)**

**List of Equipments**

68	Platinum Resistant Thermometer	BTC/ESEL/PISCO
69	Slide Calipers (Metallic brass)	BTC/ESEL/PISCO
70	Screw Gauge (Metallic brass)	BTC/ESEL/PISCO
71	Spherometer (Metallic brass)	BTC/ESEL/PISCO
72	Resistance Box (Varieties Range)	BTC/ESEL/PISCO
73	Rheostat (0-50, 0-100, 0-500)	BTC/ESEL/PISCO
74	Travelling Microscope	BTC/ESEL/PISCO
75	Photo Cell Experiment Set	BTC/ESEL/PISCO
76	Plank's Constant Experiment Set	BTC/ESEL/PISCO
77	Light Sources and Discharged tubes with stand	BTC/ESEL/PISCO
78	Anderson's Bridge with headphone	BTC/PISCO
79	Spectrometer complete set	ALMICRO/PISCO
80	Newton's ring Experiment complete set	BTC/PISCO
81	Biprism Experiment set with solid stand	BESTO/PISCO
82	Ameter, Voltmeter, Galvanometer	BTC/ESEL/PISCO
83	Crown Glass Prism	BTC/ESEL/PISCO
84	<p><b>FUNCTION GENERATOR</b></p> <ul style="list-style-type: none"> <li>• <b>Sine Wave Range:</b> 0 Hz -15 MHz</li> <li>• <b>Square Wave Range:</b> 0 Hz – 15 MHz</li> <li>• <b>TTL Digital Signal Wave</b> 0 Hz – 6 MHz</li> <li>• <b>Min. Frequency resolution:</b> 0.01 uHz</li> <li>• <b>Frequency accuracy:</b> ±20 ppm</li> <li>• <b>Amplitude Range:</b> 0 Vpp ~ 20Vpp</li> <li>• <b>Amplitude Resolution:</b> 1mV</li> <li>• <b>Phase Range:</b> 0 ~ 359.9°</li> <li>• <b>Phase Resolution:</b>0.1°</li> </ul>	APLAB/ TWINTEX

**DBT Star College Scheme**  
**Jawaharlal Nehru College, Boko**  
**NIQ no: 01(2019)**

**List of Equipments**

	<ul style="list-style-type: none"> <li>• Dual Channel Output</li> <li>• Colour display</li> <li>• 1 - Year warranty on Function Generator (excluding accessories)</li> </ul>	
85	<p>DSO Digital Signal Oscilloscope 1052</p> <ul style="list-style-type: none"> <li>• <b>Bandwidth:</b> 50MHz</li> <li>• <b>Channels:</b> 2</li> <li>• <b>Sampling Rate:</b> 500MSa/s</li> <li>• <b>Trigger types:</b> edge, pulse, slop, video and alternate trigger</li> <li>• <b>Waveform Math Functions:</b> +, -, ×, ÷, FFT</li> <li>• <b>Memory Depth:</b> 32kpts</li> <li>• <b>Amplitude Sensitivity:</b> 2mV/div – 10V/div</li> <li>• <b>Frequency Range:</b> ~ 50 Mhz</li> <li>• <b>Max. Input Voltage:</b> ±400V (DC+AC Pk-Pk)</li> <li>• <b>Coupling Method:</b> DC/AC</li> <li>• <b>Interfaces:</b> USB</li> <li>• <b>Display:</b> color TFT LCD</li> </ul>	SIGLENT
86	<p>CATHODE RAY OSCILOSCOPE Cathode Ray Oscilloscope 2020CT</p> <ul style="list-style-type: none"> <li>• <b>Bandwidth:</b> 30 Mhz</li> <li>• <b>z - input</b></li> <li>• <b>Sampling Rate:</b> 20MSa/s</li> <li>• <b>Trigger types:</b> AUTO, NORM, TV-V, TV-H, CH1, CH2, LINE, EXT</li> <li>• <b>Amplitude Sensitivity:</b> 5mV~5V/DIV</li> <li>• <b>Frequency Range:</b> DC (AC10Hz) ~20MHz</li> <li>• <b>Max. Input Voltage:</b> 400V peak-peak</li> <li>• Built-in 6 Digit Frequency Counter</li> <li>• <b>Coupling Method:</b>DC/AC</li> </ul>	APLAB/ TWINTEX
87	<p>Variable power supply 0-30 volt, high accuracy, high resolution Overload, over voltage, over current, over temperature and reverse polarity protections Auto CV and Autoo CC switch 4.3 TFT LCD Display Battery charge mode Remote sense function Panel lock and output ON/OFF function Low resistance measurement function, display load resistance value Optional RS-485 interface, support Modus Optional RS-232 to USB cable Built-in beeper alarm</p>	TWINTEX/PISCO
88	Digital Bomb Calorimeter	
89	Digital photo electric calorimeter	Systronics

**DBT Star College Scheme**  
**Jawaharlal Nehru College, Boko**  
**NIQ no: 01(2019)**

**List of Equipments**

90	Micro centrifuge	Remi/ Tarson
91	Hot Air Oven	Ikon/ MAC
92	P <sup>H</sup> meter	Systronics/ IKON
93	Digital conductivity meter and Manual	Systronics/ IKON
94	Electronic balance (maximum 200gm, 6 digit)	Simadzu
95	Separating funnel	Borosil
96	Buckner Funnel	Borosil
97	Measuring cylinder 5ml/ 25ml/ 50ml/500ml/1000 ml	Borosil
98	Digital melting point apparatus( Tem controlled)	MAC/IKON
99	Iodine flux	Borosil
100	Visco meter	Borosilicate
101	Stalagmo meter	Borosilicate
102	UV-VIS Spectrophotometer( Computer aided)	Labtronics/ Perkin Elmer/ Shimadzo
103	Chromatography chamber (different sizes)	Borosilicate
104	Platinum loop	
105	Desiccator	Borosilicate
106	Polari meter	Ikon
107	Burette	Borosilicate
108	Silica crucible	
109	Sinter glass crucible	
110	Pipette 05ml/10 ml /20ml/25ml	Borosil

*RRL 25.11.19*  
**(Mrs. Rumita Phukan)**

Principal I/C

Jawaharlal Nehru College, Boko

*12/11/19*  
**(Dr. Tapan Dutta)**

Programme Coordinator

DBT Star College Scheme