

Faculty of Technology
B. Tech. Handloom and Textile Technology
(R 2017) Semester – II
CY8261 APPLIED CHEMISTRY LABORATORY
Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Electronic balance	1		
2.	Magnetic stirrer & Pellets	30		
3.	Burette (50 ml)	30		
4.	Pipetter (50 ml)	30		
5.	Conical flask (50 ml)	30		
6.	Iodine flask (50 ml)	30		
7.	Standard measuring flask (100 ml)	30		
8.	Standard measuring flask (250 ml)	30		
9.	Measuring cylinder (10 ml)	30		
10.	Measuring cylinder (25 ml)	30		
11.	Weighing bottle	30		
12.	Wash bottle	30		
13.	Burette stand	30		

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
14.	White tile	30		
15.	Round bottom flask (250 ml)	30		
16.	Reflux condenser with water inlet & outlet	30		
17.	Mantle (250 ml)	30		
18.	Funnel	30		
19.	Hot plates (for heating)	30		
20.	Viscometer	30		
21.	Flash & fire point apparatus	30		
22.	Thermo meter	30		

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B. Tech. Handloom and Textile Technology
(R 2017) Semester – III
TT8361 FIBRE SCIENCE LABORATORY
Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Microscope	1		
2.	Weighing balance	1		
3.	Conditioning Chamber	1		

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B. Tech. Handloom and Textile Technology
(R 2017) Semester – III
HT8311 HANDLOOM WEAVING LABORATORY
Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Charka	10		
2.	Warping machine	1		
3.	Handlooms	10		
4.	Pirns	60		
5.	Double flanged bobbins	120		
6.	Shuttles	20		

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(R 2017) Semester – IV
HT8411 TEXTILE DESIGN AND COLOUR LABORATORY
Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Drawing Table and Chair	15		

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(R 2017) Semester – IV
HT8412 YARN MANUFACTURE LABORATORY
Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Ginning machine	1		
2.	Blow room line	1		
3.	Carding machine	1		
4.	Drawframe	1		
5.	Comber	1		
6.	Speedframe	1		
7.	Ringframe	1		
8.	Rotor spinning machine	1		

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(R 2017) Semester – IV
TT8461 FABRIC MANUFACTURE LABORATORY
Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Cone / Cheese winding machine	1		
2.	Pirn winding machine	1		
3.	Sizing chemicals (Consumables)	1		
4.	Loom with tappet shedding	1		
5.	Loom with dobby shedding	1		
6.	Loom with jacquard	1		
7.	Loom with dropbox	1		
8.	Shuttleless loom	1		

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(R 2017) Semester – V
HT8511 FIBRE AND YARN QUALITY EVALUATION LABORATORY
Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Baer Sorter	1		
2.	Fibre Bundle strength tester	1		
3.	Fibre Fineness tester	1		
4.	Trash Analyser	1		
5.	Projection Microscope	1		
6.	Nep Count Template	5		
7.	Wrap Reel	1		
8.	Wrap Block	1		
9.	Yarn Twist Tester	1		
10.	Single Yarn Strength Tester	1		
11.	Bundle yarn strength tester	1		
12.	Ballistic Tester	1		
13.	Yarn Unevenness tester	1		
14.	Yarn abrasion tester	1		
15.	Weighing balance	1		
16.	Yarn appearance Board Winder	1		
17.	Yarn appearance Board (Standards)	1		

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(R 2017) Semester – V
HT8512 CHEMICAL PROCESSING LABORATORY I
Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Microscope	1		
2.	Stainless vats (500 ml each)	30		
3.	Water bath	5		
4.	Thermometers	5		
5.	HTHP Beaker dyeing machine	1		
6.	Electronic weighing balance	1		
7.	Light Fastness tester	1		
8.	Laundro meter	1		
9.	Crock meter	1		

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(R 2017) Semester – V
HT8513 FABRIC STRUCTURE LABORATORY I
Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Lab Desks	20		
2.	Beesley's balance	5		
3.	Crimp tester	5		
4.	Electronic balance	2		
5.	GSM Cutter	2		

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(R 2017) Semester – VI
HT8611 FABRIC QUALITY EVALUATION LABORATORY
Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Fabric tensile strength tester	1		
2.	Fabric tearing strength tester	1		
3.	Fabric Thickness Tester	1		
4.	Fabric Stiffness Tester	1		
5.	Fabric Crease Recovery Tester	1		
6.	Fabric Bursting Strength Tester	1		
7.	Fabric Abrasion Resistance Tester	1		
8.	Fabric Pilling resistance tester	1		
9.	Wrinkle recovery tester	1		
10.	Fabric Crock meter	1		
11.	Fabric air permeability tester	1		
12.	Weighing balance	1		
13.	Fabric Drape meter	1		

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(R 2017) Semester – VI
HT8612 CHEMICAL PROCESSING LABORATORY II
Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Stainless vats (500 ml each)	30		
2.	Thermometers	5		
3.	Stirrer	1		
4.	Steam ager	1		
5.	Pilot padding mangle	1		
6.	Pilot curing chamber	1		
7.	Hot air oven	1		
8.	Printing table	1		
9.	Blocks	10		
10.	Printing Screens	3		
11.	Crease recovery tester	1		
12.	Electronic weighing balance	1		
13.	Shrinkage template	1		
14.	Front loading washing machine	1		
15.	Tumble drier	1		

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(R 2017) Semester – VI
HT8613 FABRIC STRUCTURE LABORATORY II
Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Lab Desks	15		
2.	Card punching machines	4		
3.	Lacing stand	2		
4.	Handloom with Jacquard	5		

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(R 2017) Semester – VI
HT8614 GARMENT CONSTRUCTION LABORATORY
Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Single needle lock stitch machine	15		
2.	Double needle lock stitch machine	1		
3.	Over-lock machine	1		
4.	Feed-of-the-arm machine	1		
5.	Button stitch machine	1		
6.	Button hole machine	1		
7.	Flat lock machine	1		
8.	Zigzag machine	1		
9.	Straight knife cutting machine	1		
10.	Steam pressing table (Desirable)	1		
11.	Iron box (electric)	4		
12.	Folding clips ¼"	2		
13.	Folding clips ½"	2		
14.	Folding clips 3"	2		
15.	Cylinder bed Sewing machines	1		
16.	Collar & Cuff recessing machine	1		

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(R 2017) Semester – VII
HT8712 COMPUTER AIDED TEXTILE DESIGN LABORATORY
Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Textile designing software	1		
2.	Designing software	30		
3.	Computer	30		
4.	Scanner	1		
5.	Digitizer	2		
6.	Colour printer	1		