

**DEGREE OF BACHELOR OF SCIENCE**  
*CHOICE BASED CREDIT SYSTEM*

*Curriculum for*

**B.SC. TEXTILES & FASHION DESIGNING**  
**(SEMESTER PATTERN)**

**(For Candidates admitted from 2020 – 2021 onwards)**

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## REGULATIONS

### I. ELIGIBILITY

Candidates seeking admission to the first year degree of Bachelor of Science in Textile and Fashion Designing shall be required to have passed in any higher secondary course examination of the state board/CBSE/ICSE.

Pass in any Fashion/ Costume/Textile/Apparel related Diploma course is eligible to admit in direct second year of this UG Course.

### II. DURATION

The course for the degree of Bachelor Of Science Textile and Fashion Designing shall extend over a period of three academic years - 6 Semesters and each semester normally consisting of 90 working days or 450 Hours.

### III. ELIGIBILITY FOR THE DEGREE

A candidate shall be eligible for the degree of Bachelor Of Science Textile and Fashion Designing, if he/she has satisfactorily undergone the prescribed courses of the study for a period not less than 6 semesters in an institution approved by the university has passed the prescribed examinations in all the 6 Semesters.

### IV. SUBJECT OF STUDY

The subjects of the study for the B.Sc., Textile Fashion and Designing and the syllabus for the subjects are given in the annexure.

### V. REQUIREMENT OF EXAMINATION

The theory examinations will be conducted for 3 Hours by the university in the subjects prescribed for all the semesters in every semester.

The practical examinations will be conducted for 3 Hours by the university in all the subjects prescribed in every semester.

### VI. SCHEME OF THE EXAMINATION

The scheme of examinations for the course is given in Annexure. All the practical examinations/ Project work shall be conducted & evaluated internally by the institution themselves with internal and external examiners appointed by the university.

SEM	PART	COURSE CODE	COURSE	HRS	T/P	CRE DIT	CIA	MARKS	TOTAL
				L				EA	
I	I	Language	Tamil - I	4	2	5	25	75	1 0 0
	II	Language	English - I	4	2	5	25	75	1 0 0
	III	Core Practical I	Pattern Making and Grading Practical	-	5	3	40	60	1 0 0
		Core Practical II	Basic Apparel Designing Practicals	-	5	3	40	60	1 0 0
		Allied – I	Seweing Technology	4	2	5	25	75	1 0 0
	IV	Value Education	Yoga	2		2	25	75	1 0 0
				<b>30</b>	<b>23</b>			<b>600</b>	
II	I	Language	Tamil - II	4	2	5	25	75	1 0 0
	II	Language	English - II	4	2	5	25	75	1 0 0
	III	Core I	Fibre To Yarn Science	4	1	5	25	75	1 0 0
		Core Practical III	Fibre To Yarn Science Practicals		3	2	40	60	1 0 0
		Allied Practical I	Basic Draping Practicals		3	2	40	60	1 0 0
		Allied Practical II	Basic Illustration and Sketching Practicals		6	3	40	60	1 0 0
	IV	EVS	Environmental Studies	1		1	25	75	1 0 0

## TEXTILES & FASHION DESIGNING

				<b>30</b>	<b>23</b>			<b>700</b>	
III	III	Core II	Fabric Science - I	4	1	5	25	75	1 0 0
		Core III	Clothing Care	4	1	5	25	75	1 0 0
		Core Practical IV	Fabric Science Practicals		3	2	40	60	1 0 0
		Core Practical V	Children's Apparel Practicals		5	3	40	60	1 0 0
		Allied II	Fashion Designing	4	1	4	25	75	1 0 0
		Allied Practical III	Fashion Designing Practicals		3	2	40	60	1 0 0
	IV	NMEC I	Fundamentals of Textiles	3	1	3	25	75	1 0 0
					<b>30</b>	<b>24</b>		<b>700</b>	

IV	III	Core IV	Non Woven & Technical Textiles	3	1	4	25	75	100
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SEM	PART	COURSE CODE	COURSE	HRS		CRE DIT	MARKS			
				L	T/P		CIA	EA	TOTAL	
	IV	Core V	Textile Processing	4	1	5	25	75	100	
		Core Practical VI	Women's Apparel Practicals			6	3	40	60	100
		Core Practical VII	Textiles Processing Practicals			3	2	40	60	100
		Allied III	Fashion Clothing and Psychology	3	1	4	25	75	100	
		SBEC - I	Embroidery Practicals			4	2	40	60	100
		NMEC II	Fundamentals Of Designing	3	1	3	25	75	100	
				<b>30</b>	<b>23</b>			<b>700</b>		
V	III	Core VI	Computer & Textile In Garment Design	3	1	4	25	75	100	
		Core VII	Textile Finishing	4	1	5	25	75	100	
		Core VIII	Textile Printing	3		3	25	75	100	
		Core Practical VIII	Computer & Textile In Garment Design Practicals			5	3	40	60	100
		Core Practical IX	Textile Printing Practicals			3	2	40	60	100
	Core Practical X	Men's Apparel Practicals			5	3	40	60	100	
	IV	MBEC I	Garment Quality and Cost Control	4	1	4	25	75	100	
				<b>30</b>	<b>24</b>			<b>700</b>		
VI	III	Core IX	Fabric Science - II	5	1	6	25	75	100	
	IV	Core X	Organization of Garment Unit	5	1	6	25	75	100	
		Core Practical XI	Accessories Making Practicals			4	2	40	60	100
		MBEC - II	Fashion Visual Merchandising	3	1	4	25	75	100	
		SBEC - II	Practical - Portfolio Presentation Viva Voce			5	2	40	60	100
		SBEC III	Beauty Care Practicals			4	2	40	60	100
		Project	Viva Voce							
		Extension Activity		1	1					
				<b>30</b>	<b>23</b>			<b>600</b>		
				<b>180</b>	<b>140</b>			<b>4000</b>		

SBEC- Skill Based Elective Courses

NMEC – Non Major Elective Courses

MBEC – Major Based Elective Courses



## VII. PASSING RULES

- **Theory**

75% of the marks for external evaluation and 25% marks are allotted for internal evaluation.

Candidate is demand to have passed to a subject, if he/she get a minimum of 40% of total marks in theory subjects with internal mark of 10 marks and external marks of 30 marks.

- **Practical**

60% of the marks for external evaluation and 40% marks are allotted for internal evaluation.

For practical subjects, the candidate should get minimum marks of 24 marks in external evaluation out of 60 and 16 marks in internal evaluation out of 40.

### a. THEORY

**Time : 3 Hours**

**TotalMarks : 75 Marks**

### QUESTION PAPER PATTERN

Unit	Section-A	Section-B	Section-C
I	Q. 1,2	Q. 11a, 11b	Q. 16
II	Q. 3,4	Q. 12a, 12b	Q. 17
III	Q. 5,6	Q. 13a, 13b	Q. 18
IV	Q. 7,8	Q. 14a, 14b	Q. 19
V	Q. 9, 10	Q. 15a, 15b	Q. 20

**SECTION A (10 X2 = 20)**

ANSWER ALL THE QUESTIONS

**SECTION B (5 X5 = 25)**

Either or Choice ANSWER ALL THE QUESTIONS

**SECTION C (3 X10 = 30)**

ANSWER ANY THREE QUESTIONS OUT OF FIVE

**INTERNAL ASSESSMENT**

**MARKS**

TEST	:	15
ASSIGNMENT	:	5
ATTENDANCE	:	5
		<b>25</b>

PASSING MINIMUM (IA) 40%	-	10 MARKS
PASSING MINIMUM (UE) 40%	-	30 MARKS
PASSING MINIMUM TOTAL	-	40 MARKS

**a.PRACTICAL :**

**Time : 3Hours**

**Total Marks : 60 Marks**

<b>SECTION A (1 X20= 20)</b>	Either or Choice	ANSWER ANY ONE
<b>SECTION B (1 X40 = 40)</b>	Either or Choice	ANSWER ANY ONE

**INTERNAL MARKS:**

RECORD	:	25
SAMPLES	:	10
ATTENDANCE	:	05
<b>TOTAL</b>	:	<b>40</b>

PASSING MINIMUM (IA) 40%	-	16 MARKS
PASSING MINIMUM (UE) 60%	-	24 MARKS
PASSING MINIMUM TOTAL	-	40 MARKS





**B. Sc. TEXTILE AND FASHION DESIGNING**

**SEMESTER - I**

**CORE PRACTICALS I - PATTERN MAKING AND GRADING PRACTICAL**

I. Draft and grade the Patterns for the following

- a) Sleeve
  - 1. Plain
  - 2. Puff sleeve at top and bottom
  - 3. Bell sleeve
- b) Collar
  - 1. Shirt
  - 2. Peter pan
  - 3. Stand
- c) Yoke
  - 1. Simple
  - 2. Partial

II. Designing and Drafting and grading basic apparel for

- a) Children
  - Bib, Panty, Jabla •
  - Summer Frock •
  - Angel Top
  - A-line Frock •
  - Sun Suit
- b) Women
  - Saree Petticoat
  
  - Middi and Middi top
  
  - Blouse
  
  - Nighty
  
  - Salwar Kameez
- c) Men
  - Full Sleeve Shirt
  
  - Pleated Trouser
  
  - S.B. Vest
  
  - Nehru Kurtha
  
  - Night Dress

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## **B. Sc. TEXTILE AND FASHION DESIGNING**

### **SEMESTER I**

#### **CORE PRACTICALS II - BASIC APPAREL DESIGNING - PRACTICALS**

1. Preparation of Samples for Seams and Seam Finishes.
2. Preparation of Samples for Hems.
3. Preparation of Samples for Fullness. (Darts, Tucks, Pleats, Gathers, Flares, Ruffles, Godets and Gathers)
4. Preparation of Samples for Facing and binding. (Any 3)
5. Preparation of Samples for Plackets and fasteners. (Any 4)
6. Preparation of Samples for different Sleeves. (Any 3)
7. Preparation of Samples for different Collars. (Any 3)
8. Preparation of Samples for different Yokes. (Any 3)
9. Preparation of Samples for different pockets (Any 3)

**B. Sc. TEXTILE AND FASHION DESIGNING**

**SEMESTER - I**

**ALLIED I - SEWING TECHNOLOGY**

**Unit – I**

Introduction to sewing, History of sewing machines, Sewing Machine – parts and functions of single needle machine, Tools for measuring, marking, cutting & pressing. Selection of thread and needle for various types of fabric.

**Unit – II**

Classification of sewing machines -Single Needle Lock stitch Industrial model, Over Lock Machine, Zig Zag Multi Purpose Machine, Double Needle Machine, Bar Tack Machine, button hole making machine, button fixing machine, blind stitching machine, fabric examining machine. Machine attachments - care and maintenance of sewing machines.

**Unit – III**

Basic sewing machines and associated work aids, simple automobiles. The use of components & trims – Labels and motifs, lining, Interlining, wadding, lace, braids & elastics, Hooks and loop fastening, Seam binding and tape, Shoulder pad, Eyelets & laces, Zip fastener, Buttons, Tack buttons, Snap fasteners and Rivets, Performance properties of components and trims. Sewing machines attachments – ( Hemmers, Ruffler, Binder, Tucker, cloth guide, zipper foot, gathering foot, feed cover plate, circular attachment). Common problem & remedies

**Unit – IV**

Fusing – Definition, advantages of using fusible interlinings, requirement of fusing, Fusing process. The means of fusing, Fusing equipments, Methods of fusing quality control in fusing. Alternative of fusible interlining. Pressing: the purpose of pressing, categories of pressing, means of pressing, pressing equipments and methods, pleating, permanent press. State of pressing.

**Unit – V**

Stitching mechanism – needles, bobbin and bobbin case, bobbin winding, upper and cover threading, auxiliary hooks, throat plates, take –ups tension disc.

Feeding mechanism – drop feed, different fed, needle feed, compound feed, puller feed

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**Reference:**

1. The Technology of Clothing manufacture, Harold Carr and Barbara Catham, Blackwell Science (1994)
2. Goswami, B.C. “ Textile Yarns”, Technology, Structure and applications”, Mc Graw Hill.
3. Chris Jefferys (2004), 101 Essential Tip- Basic Sewing, D.K. Publishing
4. Besty Hosegood (2006), The complete book of sewing, Dorling Kindersley Ltd., London.
5. Thomas Anna Jacob, “The art of sewing:”, USB publishers New Delhi, 1994.
6. Readers Digest Sewing book.

**B. Sc. TEXTILE AND FASHION DESIGNING**

**SEMESTER II**

**CORE I - FIBRE TO YARN SCIENCE**

**Unit – I**

Introduction to textile fibres – definition, classification of fibres, manufacturing process, physical and chemical properties and end uses of natural fibres – cotton, linen, wool , silk and jute. Polyester, nylon.

**Unit - II**

Man made fibres – polyester, nylon, acrylic, spandex, viscose, rayon and tencel.

**Unit –III**

Introduction to Ginning –objectives – types, working principle of knife roller gin, blow room process – objects of mixing, objects of blow room, working principles of axi-flow cleaner, kirschner beater, lap forming unit ( scutcher )- cleaning efficiency.

**Unit –IV**

Sequence of spinning process – objects and working principles of blow room, carding, draw frame and comber – objects and working principles of simplex and spinning ( Ring Frame )

**Unit – V**

Yarn – definition, classification, simple, fancy yarn and sewing threads, manufacturing process, yarn twist – classification of twist, yarn count. Identification of yarn count.

**Reference:**

1. Corbman B.P Fibre to Fabric, International Students Edition Mc Graw Hill Book Co- Singapore, 2000
2. Spun Yarn Technology, Eric Oxtoloy, Butter work Pub UK 1987
3. Technology of spinning WD Klein, Textile Institute

**B. Sc. TEXTILE AND FASHION DESIGNING**

**SEMESTER II**

**CORE PRACTICAL III - FIBRE TO YARN SCIENCE PRACTICALS**

**Fibre Testing :**

**Identification of textile fibres by**

- a. Microscopical Test
- b. Solubility Test
- c. Burning Test

**Yarn Testing:**

- a. Analysis of blend ratio of yarn
- b. Determination of
  1. Yarn count
  2. Yarn Twist
  3. Lea Strength
  4. CSP calculation
  5. Fabric Count

**B. Sc. TEXTILE AND FASHION DESIGNING**

**SEMESTER II**

**ALLIED PRACTICAL I - BASIC DRAPING PRACTICALS**

- I. Prepare the following samples using the Draping Method Basic bodice - Front and Back Dart Manipulation Pleats, Darts, Tucks and Gathers
- II. Neckline variations
  - Boat neck
  - Drawstring
  - Cowl
  - Key hole
  - Halter
- III. Armhole variations
  - Square
  - Round
  - V Shape
- IV. Waistline variations
- V. Skirts-
  - Flared skirt
  - Gore skirt
  - Pleated skirt
  - Hip yoke skirt
  - Umbrella skirt
- VI. Collars -
  - Shirt Collar



- Stand Collar
- Peter Pan collar
- Shawl collar cut in one piece with front waist
- Tie tying techniques – 5 methods

**VII. Sleeves -**

- Basic sleeve
- Puff sleeve
- Bell Sleeve
- Leg – o – Mutton
- Petal sleeve
- Raglan sleeve
- Kimono sleeve

**VIII. Design the following garment by draping Techniques**

- Create any one of garment for a girl child – street wear
- Create any one of garment for a boy child – casual wear
- Create any one of garment for a teenage girl – party wear
- Create any one of garment for a teenage boy – formal wear

**B. Sc. TEXTILE AND FASHION DESIGNING**

**SEMESTER II**

**ALLIED PRACTICAL- II**

**BASIC ILLUSTRATION AND SKETCHING PRACTICALS**

**Prepare sketches for the following**

1. Different types of collar, Sleeve, Neck line, skirts.
2. Different types of ladies tops, Shirt, Pant (Full and half), Chudidhar
3. Different types of Accessories – Bags, footwear, hats etc
4. Different types of Ornaments
5. Facial features – Eyes, nose, lips, Ears
6. Face, hands legs – Different positions
7. Lay figure - 7 1/2 head
8. Fashion figure - 8, 10, 12 head