

# **Scheme and Syllabi of**

**B. Sc. (Textile and Fashion Design)**

**Three Year (6 Semesters)**

**(Choice Based Credit System)**



**DEPARTMENT OF FASHION TECHNOLOGY  
Chaudhary Devi Lal University, Sirsa  
(Haryana)-India  
PIN-125055**

<b>SEMESTER I</b>						
<b>Paper Code</b>	<b>Nomenclature of Paper</b>	<b>Nature of Course</b>	<b>Credits</b>	<b>Maximum Marks</b>	<b>(Theory +Practical)</b>	<b>Internal Marks</b>
BSFT-A101	Environmental Studies	Ability Enhancement Compulsory Course (AECC- 1)	4	100	70+00	30
BSFT-C101	Elements and Principles of Design	Core course (DSC-1A)	4	100	50+50	0
BSFT-C102	Principles of Fashion Illustrations	Core Course (DSC-2A)	4	100	50+50	0
BSFT-C103	Textile Science	Core Course (DSC-3A)	4	100	50+50	0
BSFT-C104	Sewing Techniques	Core Course (DSC-4A)	4	100	50+50	0
BSFT-AO-101	General Chemistry	Add-On (AO- 1)	2	50	50+00	0
<b>Total</b>			<b>22</b>	<b>550</b>		
<b>SEMESTER II</b>						
<b>Paper Code</b>	<b>Nomenclature of Paper</b>	<b>Nature of Course</b>	<b>Credits</b>	<b>Maximum Marks</b>	<b>(Theory +Practical)</b>	<b>Internal Marks</b>
BSFT-A201	Communication Skills in English	Ability Enhancement Compulsory Course (AECC- 2)	4	100	70+00	30
BSFT-C201	Dynamics of Fashion	Core course (DSC-1B)	4	100	50+50	0
BSFT-C202	Traditional Textiles & Embroideries of India	Core Course (DSC-2B)	4	100	50+50	0
BSFT-C203	Fabric Studies	Core Course (DSC-3B)	4	100	50+50	0
BSFT-C204	Dress Designing and Pattern Making-I	Core Course (DSC-4B)	4	100	50+50	0
BSFT-DE-201	Fashion Design and Illustrations	Discipline Elective	4	100	0+100	0
<b>Total</b>			<b>24</b>	<b>600</b>		
<b>SEMESTER III</b>						
<b>Paper Code</b>	<b>Nomenclature of Paper</b>	<b>Nature of Course</b>	<b>Credits</b>	<b>Maximum Marks</b>	<b>(Theory +Practical)</b>	<b>Internal Marks</b>
BSFT-C301	Fashion Art and Design	Core course (DSC-1C)	4	100	50+50	0
BSFT-C302	Draping and Apparel Design	Core Course (DSC-2C)	4	100	50+50	0
BSFT-C303	Historic Costumes of India	Core Course (DSC-3C)	4	100	50+50	0
BSFT-SEC-301	Dyeing, Printing and Finishing of Textiles	Skill Enhancement Course(SEC-1)	4	100	50+50	0
BSFT-ST-301	Internship	Skill Based Training	2	50	0+50	0
<b>Total</b>			<b>18</b>	<b>450</b>		

**SEMESTER IV**

<b>Paper Code</b>	<b>Nomenclature of Paper</b>	<b>Nature of Course</b>	<b>Credits</b>	<b>Maximum Marks</b>	<b>(Theory +Practical)</b>	<b>Internal Marks</b>
BSFT-C401	Apparel Appreciation and communication	Core course (DSC-1D)	4	100	50+50	0
BSFT-C402	Introductory Computer Science	Core Course (DSC-2D)	4	100	50+50	0
BSFT-C403	World Historic Costumes	Core Course (DSC-3D)	4	100	50+50	0
BSFT-SEC-401	Fashion Accessories	Skill Enhancement Course (SEC-2)	4	100	50+50	0
<b>Total</b>			<b>16</b>	<b>400</b>		

**SEMESTER V**

<b>Paper Code</b>	<b>Nomenclature of Paper</b>	<b>Nature of Course</b>	<b>Credits</b>	<b>Maximum Marks</b>	<b>(Theory +Practical)</b>	<b>Internal Marks</b>
BSFT-DSE-501	Home Fashion	Discipline Specific Elective (DSE-1A)	4	100	50+50	0
BSFT-DSE-502	Dress Design and Pattern making-II	Discipline Specific Elective (DSE-2A)	4	100	50+50	0
BSFT-DSE-503	Fashion Marketing and Merchandising	Discipline Specific Elective (DSE-3A)	4	100	50+50	0
BSFT-C504	Jewellery Designing	Core Course (DSE-3A)	4	100	50+50	0
BSFT-SEC-501	Apparel Manufacturing and Management	Skill Enhancement Course (SEC-3)	4	100	50+50	0
BSFT-ST-501	Internship	Skill Based Training	2	50	0+50	0
<b>Total</b>			<b>22</b>	<b>550</b>		

**SEMESTER VI**

<b>Paper Code</b>	<b>Nomenclature of Paper</b>	<b>Nature of Course</b>	<b>Credits</b>	<b>Maximum Marks</b>	<b>(Theory +Practical)</b>	<b>Internal Marks</b>
BSFT-DSE-601	Textile Testing	Discipline Specific Elective (DSE-1B)	4	100	50+50	0
BSFT-DSE-602	Quality Assurance in Textile and Apparel Industry	Discipline Specific Elective (DSE-2B)	4	100	50+50	0
BSFT-DSE-603	Product Line and Portfolio Development	Discipline Specific Elective (DSE-3B)	4	100	50+50	0
BSFT-SEC-601	Computer Applications in Fashion Designing	Skill Enhancement Course (SEC-4)	4	100	50+50	0
<b>Total</b>			<b>16</b>	<b>400</b>		

The Students of Department of Fashion Technology will earn 12 Credits (2 credits per semester) by choosing some Open Elective Courses offered by the other departments other than the Department of Fashion Technology.

<b>Total Credits and Marks of all Semesters of B.Sc Textile and Fashion Design</b>		
<b>Semester</b>	<b>Credits</b>	<b>Marks</b>
<b>I</b>	22+2(OE)	550+100(OE)
<b>II</b>	24+2(OE)	600+100(OE)
<b>III</b>	18+2(OE)	450+100(OE)
<b>IV</b>	16+2(OE)	400+100(OE)
<b>V</b>	22+2(OE)	550+100(OE)
<b>VI</b>	16+2(OE)	400+100(OE)
	<b>130</b>	<b>3550</b>

The Department of Fashion Technology offers following Open Elective Courses for the students of First, Second, Third, Fourth, Fifth and Sixth semester of Other Departments.

<b>Nature of Course</b>	<b>Course Code</b>	<b>Nomenclature of Paper</b>	<b>Credits</b>	<b>External Marks</b>	<b>Internal Marks</b>	<b>Maximum Marks</b>
Open Elective (1 <sup>st</sup> Semester)	BSFT-OE-101	Fundamentals of Design	2	70	30	100
Open Elective (2 <sup>nd</sup> Semester)	BSFT-OE-201	Fashion Dynamics	2	70	30	100
Open Elective (3 <sup>rd</sup> Semester)	BSFT-OE-301	Appreciation of Fashion Art and Design	2	70	30	100
Open Elective (4 <sup>th</sup> Semester)	BSFT-OE-401	Apparel Appreciation	2	70	30	100
Open Elective (5 <sup>th</sup> Semester)	BSFT-OE-501	Fashion Marketing	2	70	30	100
Open Elective (6 <sup>th</sup> Semester)	BSFT-OE-601	Quality Control and Quality Assurance	2	70	30	100

**NOTE:**

- i. The evaluation of students consists of external evaluation in case of the course of 50 Marks (Theory). For end-term examination, the examiner is required to set nine questions in all. Each question carries equal marks (10 marks). The distribution of marks will be as under: The first question will be compulsory consisting of 5 short-answer questions (2 marks each) covering the entire syllabus. In addition, eight questions will be set unit-wise comprising two questions from each unit. The Student shall be required to attempt five questions in all selecting one question from each unit including the compulsory question.  
**Scheme of Practical: Practical file-10 marks, worksheet-05 marks, Practical class room work-10 marks, viva-voce-05 marks, practical work-20 marks.**
- ii. The evaluation of students consists of external evaluation in case of the course of 100 Marks (Practical).Scheme of Practical: Practical File-10 marks, Viva-Voce-10 Marks, Practical Work-50 Marks, Practical classroom work-30 Marks.
- iii. The evaluation of students consists of both internal and external evaluation in case of the course of 100 Marks (External:70, Internal:30). Internal evaluation includes mid-term examination (20 marks) covering two units of the syllabus, an assignment (05 marks) and class attendance (05 marks). The external evaluation includes end-term examination of 70 marks covering the whole syllabus. For end-term examination, the examiner is required to set nine questions in all. Each question carries equal marks (14 marks). The distribution of marks will be as under: The first question will be compulsory consisting of 7 short-answer questions (2 marks each) covering the entire syllabus. In addition, eight questions will be set unit-wise comprising two questions from each unit. The Student shall be required to attempt five questions in all selecting one question from each unit including the compulsory question.

## **B. Sc. (TEXTILE AND FASHION DESIGN): SEMESTER I**

### **BSFT- A101: ENVIRONMENTAL STUDIES**

**DURATION: 3 HOURS**

**MAXIMUM MARKS: 100**  
**(EXTERNAL: 70, INTERNAL: 30)**

**Objective:** The objective of this paper is to create the awareness among the students towards environmental concepts and issues for smooth life of species and human at earth.

#### **UNIT I**

The multidisciplinary nature of environmental studies: Definition, Scope and importance need for public awareness. Natural Resources: Renewable and non-renewable resources: Natural resources and associated problems. Forest resources: Use and over-exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forests and tribal people. Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems. Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources, case studies. Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies. Energy resources; Growing energy needs, renewable and non-renewable energy sources, case studies. Land resources: Land as a resource, land degradation man induced landslides, soil erosion and desertification. Role of an individual in conservation of natural resources. Equitable use of resources for sustainable lifestyles.

#### **UNIT II**

Ecosystems: Concept of an ecosystem, Structure and function of an ecosystem. Producers, Consumers and decomposers. Energy flow in the ecosystem, Ecological succession, Food chains, food webs and ecological pyramids. Introduction, types, Characteristic features, structure and function of the following of the ecosystem: Forest ecosystem, Grass land ecosystem, desert ecosystem, Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries).

Biodiversity and its conservation: Introduction-Definition: genetic, species and ecosystem diversity. Bio-geographical classification of India. Value of diversity: consumptive use, productive use, social, ethical; aesthetic and option calls. Biodiversity at global, National and local levels. India as a mega-diversity nation. Hot-spots of biodiversity. Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts. Endangered and endemics. Conservation of biodiversity: In-situ and Ex-situ, Conservation of biodiversity.

#### **UNIT III**

Environmental Pollution: Definition-Causes, effects and control measures of Air pollution, Water pollution, Soil pollution, Marine pollution, Noise pollution, Thermal pollution, Nuclear hazards, Solid waste Management: Causes, effects and control measures of urban and industrial wastes. Role of an individual in prevention of pollution. Pollution case studies. Disaster Management: floods, earthquake, cyclone and landslides.

Social Issues and the environment: From Unsustainable to Sustainable development. Urban problems related to energy. Water conservation, rain water harvesting, watershed management. Resettlement and rehabilitation of people; its problems and concerns. Case studies. Environmental ethics: Issues and possible solutions. Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust. Case studies. Wasteland reclamation. Consumerism and waste products. Air (prevention and Control of Pollution) Act. Water (prevention and control of pollution) Act. Wildlife Protection Act. Forest Conservation Act. Issues involved in enforcement of environmental legislation. Public awareness.

## UNIT IV

Human Population and the Environment: Population growth, variation among nations. Population explosion- family Welfare Programme. Environment and human health. Human Rights. Value Education. HIV/AIDS. Women and child welfare, role of information technology in environment and human health, Case Studies.

Field work: Visit to a local area to document environmental assets: river/forest grass land/hill/mountain, Visit to a local polluted site-Urban/Rural/Industrial/ Agricultural, Study of common plants, insects, birds. Study of simple ecosystems pond, river, hill slopes, etc.

### Suggested Readings:

1. Agarwal, K.C. 2001 *Environmental Biology*, Nidhi Publ. Ltd. Bikaner.
2. Bharucha Erach, *The Biodiversity of India*, Mapin Publishing Pvt. Ltd., Ahmedabad- 380013, India.
3. Clerk RS., *Marine Pollution*; Clarendon Press Oxford.
4. *Down to Earth*, Centre for Science and Environment.
5. Hawkins R.E., *Encyclopedia of Indian Natural History*, Bombay Natural History Society, Bombay.
6. Mhaskar A.K, *Matter Hazardous*, Techno-Science Publications.
7. Townsend C., Harper J, and Michael Begon, *Essentials of ecology*, Blackwell Science.
8. Trivedi R.K and P.K Goel, *Introduction to air pollution*, Techno-Science Publications.
9. Trivedi R.K, *Handbook of Environmental Laws, Rules, Guidelines Compliances and Standards, Vol I and II*, Envirol Media.
10. Wagner KD., 1998. *Environmental Management*. W.B. Saunders Co. Philadelphia, USA.

### Note:

1. The evaluation of students consists of both internal and external evaluation. Internal evaluation includes mid-term examination (20 marks) covering two units of the syllabus, an assignment (05 marks) and class attendance (05 marks). The external evaluation includes end-term examination of 70 marks covering the whole syllabus.
2. For end-term examination, the examiner is required to set nine questions in all. Each question carries equal marks (14 marks). The distribution of marks will be as under: The first question will be compulsory consisting of 7 short-answer questions (2 marks each) covering the entire syllabus. In addition, eight questions will be set unit-wise comprising two questions from each unit.
3. The student shall be required to attempt five questions in all selecting one question from each unit including the compulsory question.

**B. Sc. (TEXTILE AND FASHION DESIGN): SEMESTER I**  
**BSFT-C101: ELEMENTS AND PRINCIPLES OF DESIGN**

**DURATION: 3 HOURS**

**MAXIMUM MARK: 100**  
**(THEORY: 50, PRACTICAL: 50)**

**Objective:** The objective of this course is to help the students to acquire conceptual knowledge of elements and principles of design.

**UNIT I**

Definition and Elements of Design-dots, lines, shapes, prints, checks, rendering, effects

**UNIT II**

Principles of design – Repetition, Gradation, Radiation, Dominance, and Contrast balance proportion emphasis rhythm, Unity and harmony. Sources of inspiration; types theme based designing inspirational innovations.

**UNIT III**

Colour- uses and effects, colour schemes- Warm, Cool, Hue, Value, Intensity, Complementary, analogous, tints tones and shades.

**UNIT IV**

Selection of suitable clothing and design, factors affecting selection of clothing, Clothing of different age groups.

**Practical:** Introduction to art media and its applications, basic drawing equipment's, colour, preparation of colour wheel, colour schemes, tints shades tones sketching techniques free hand sketching, development of geometrical natural, stylized and abstract motifs, enlargement of motifs, placement of motifs to develop designs, market survey, visit to shopping malls and exhibition.

**Suggested Readings:**

1. Gupta S., Garg N. and Saini R., *Clothing Textile and Laundry*.
2. Sodhia M., *Design Studies*, Kalyani Publishers.
3. Farem S. and Hudson T., *Fashion design course*
4. Lewis T., *Ultimate guide to become a designer*

**Note:**

1. The evaluation of students consists of external evaluation in case of the course of 50 Marks (Theory). For end-term examination, the examiner is required to set nine questions in all. Each question carries equal marks (10 marks). The distribution of marks will be as under: The first question will be compulsory consisting of 5 short-answer questions (2 marks each) covering the entire syllabus. In addition, eight questions will be set unit-wise comprising two questions from each unit. The Student shall be required to attempt five questions in all selecting one question from each unit including the compulsory question.
2. Scheme of Practical: Practical file-10 marks, worksheet-05 marks, Practical class room work-10 marks, viva-voce-05 marks, practical work-20 marks.



## **B. Sc. (TEXTILE AND FASHION DESIGN): SEMESTER I**

### **BSFT-C102: PRINCIPLES OF FASHION ILLUSTRATIONS**

**DURATION: 3 HOURS**

**MAXIMUM MARKS: 100**  
**(THEORY: 50, PRACTICAL: 50)**

**Objective:** The objective of this course is to help the students to acquire conceptual knowledge about principles of fashion illustrations.

#### **UNIT I**

Fashion illustration: - Definition, terminology, importance and theories, tools for fashion drawing, sketching principles, Human anatomy: - Basic human proportion of male, female and kids, fashion figure and normal figure.

#### **UNIT II**

Designs through rendering of different fabrics, textures and patterns, study of different-silhouettes, technical presentation presenting design to costumes, technical specification and measurement scales band serving symbols, accessories.

#### **UNIT III**

Fashion details- collars, necklines, sleeves, skirts, trousers, plackets, frills, pockets and innovative details, Illusion effects, Drapes and folds.

#### **UNIT IV**

Illustration for apparels using the themes- Casual, formal, ethnic, office wear, winter, summer and spring, stylization illustration

**Practical:** Fashion illustrations: -Basic Human anatomy, fashion model drawing basic coquis. Basic human properties of male, female and kids, balance line and weight distribution, developing figures using figure guides, sketching faces, hands, legs, feet hair style and accessories, free hand sketching of figures and shapes, illustration of different postures and motion, techniques of creating textures and patterns study of different silhouettes.

#### **Suggested Readings:**

1. Gupta S., Garg N. and Saini R., *Clothing Textile and Laundry*.
2. Sodhia M., *Design Studies*, Kalyani Publishers.
3. Joseph H. and Berry B., *Draping for apparel design*.
4. Farem S. and Hudson T., *Fashion design course*.
5. Allen, Seamen B.T., *Fashion Drawing: The basic principles*, Basford Ltd. London.
6. Lewis T., *Ultimate guide to become a designer*.

#### **Note:**

1. The evaluation of students consists of external evaluation in case of the course of 50 Marks (Theory). For end-term examination, the examiner is required to set nine questions in all. Each question carries equal marks (10 marks). The distribution of marks will be as under: The first question will be compulsory consisting of 5 short-answer questions (2 marks each) covering the entire syllabus. In addition, eight questions will be set unit-wise comprising two questions from each unit. The Student shall be required to attempt five questions in all selecting one question from each unit including the compulsory question.
2. Scheme of Practical: Practical file-10 marks, worksheet-05 marks, Practical class room work-10 marks, viva-voce-05 marks, practical work-20 marks.

**B. Sc. (TEXTILE AND FASHION DESIGN): SEMESTER I**  
**BSFT-C103: TEXTILE SCIENCE**

**DURATION: 3 HOURS**

**MAXIMUM MARKS: 100**  
**(THEORY: 50, PRACTICAL: 50)**

**Objective:** The objective of this course is to help the students to acquire conceptual knowledge about the science of textiles.

**UNIT I**

Introduction to textile, Textile terminology, textile fibres and their classification, physical and chemical properties of fibres.

**UNIT II**

Manufacturing of textile fibres, cotton, linen, jute, wool, silk viscose rayon's polyester, nylon, acrylic, Lycra and others

**UNIT III**

Yarn - classification, characteristics and their uses, properties, yarn lines density, size twist strength and uniformity, fancy and novelty yarn, spinning procedures, methods, mechanical (ring air jet and DREA) chemical (hot, cold, melt and dry)

**UNIT IV**

Fabric construction - weaving process. Different types of weavings, plain weaves, basket, rib, twill-broken twill, satin, sateen, dobby, jacquard and bird eye.

**Practical:** Identification of textile fibres: - microscopic burning and chemical tests. Study of yarn: - types, size, yarn count, sample collection and swatch preparation of different types of fibres and yarns, Industrial Visit and Market survey.

**Suggested Readings:**

1. Garg N., *Clothing and Textile*.
2. Gupta S., Garg N. and Saini R., *Clothing Textile and Laundry*.
3. Joseph H. and Berry B., *Draping for apparel design*.

**Note:**

1. The evaluation of students consists of external evaluation in case of the course of 50 Marks (Theory). For end-term examination, the examiner is required to set nine questions in all. Each question carries equal marks (10 marks). The distribution of marks will be as under: The first question will be compulsory consisting of 5 short-answer questions (2 marks each) covering the entire syllabus. In addition, eight questions will be set unit-wise comprising two questions from each unit. The Student shall be required to attempt five questions in all selecting one question from each unit including the compulsory question.
2. Scheme of Practical: Practical file-10 marks, worksheet-05 marks, Practical class room work-10 marks, viva-voce-05 marks, practical work-20 marks.

**B. Sc. (TEXTILE AND FASHION DESIGN): SEMESTER I**  
**BSFT-AP101: SEWING TECHNIQUES**

**DURATION: 3 HOURS**

**MAXIMUM MARKS: 100**  
**(THEORY: 50, PRACTICAL: 50)**

**Objective:** The objective of this course is to help the students to acquire the skill in terms of sewing techniques.

**UNIT I**

Equipment and supplies used in clothing construction, sewing- introduction and terminology, sewing tools, cutting, measuring, marking stitching and pressing tools.

**UNIT II**

Sewing machines: - suitability and functions of different sewing machines, maintenance of sewing machines, common defects and their mechanism.

**UNIT III**

Types and applications of constructional techniques hand stitches, seams and seams finishes techniques of fullness, fasteners, necklines, collars, plackets, skirts, fusible and quilting

**UNIT IV**

Recording of body measurement, Care to be taken while taking body measurement. Different methods of developing a design- Drafting, pattern making, draping (in brief) their advantage and disadvantage.

**Practical:** Sewing tools and their diagrams. Sewing machine and its parts diagrams, functions, care and maintenance, Making sample of: Basic hand stitches basting, hemming-visible/invisible types of seams finishes- plain ,run and fell ,lapped ,counter ,over lock ,hand overcast ,fullness-darts ,tucks ,pleats ,ruffles ,frills and gathers ,fasteners plackets ,construction of bloomer ,polka.

**Suggested Readings:**

1. Garg N., *Clothing and Textile*.
2. Gupta S., Garg N. and Saini R., *Clothing Textile and Laundry*.
3. Joseph H. and Berry B., *Draping for apparel design*.
4. Joseph H., *Pattern making for fashion*, Pearson.

**Note:**

1. The evaluation of students consists of external evaluation in case of the course of 50 Marks (Theory). For end-term examination, the examiner is required to set nine questions in all. Each question carries equal marks (10 marks). The distribution of marks will be as under: The first question will be compulsory consisting of 5 short-answer questions (2 marks each) covering the entire syllabus. In addition, eight questions will be set unit-wise comprising two questions from each unit. The Student shall be required to attempt five questions in all selecting one question from each unit including the compulsory question.
2. Scheme of Practical: Practical file-10 marks, worksheet-05 marks, Practical class room work-10 marks, viva-voce-05 marks, practical work-20 marks.

**B. Sc. (TEXTILE AND FASHION DESIGN): SEMESTER I**  
**BSFT-AO-101: GENERAL CHEMISTRY**

**DURATION: 3 HOURS**

**MAXIMUM MARKS: 50**  
**(THEORY: 50 MARKS)**

**Objective:** The objective of this course is to impart the knowledge of basics of chemistry.

**UNIT-I**

Discovery of Electron, Proton & Neutron Atoms and Molecules, Rutherford's Model of Atom, Bohr's Model of Atom, Mole Concept, Acid & Basic Radicals.

**UNIT-II**

Chemical Bonds-Types of bonds with examples, Hybridisation, Shapes of some simple molecules-water, ammonia, PCl<sub>5</sub>, SF<sub>6</sub>, CCl<sub>4</sub>, Effect of intermolecular and intra-molecular H-bonding on Prop. of molecules.

**UNIT-III**

Acid-Base Concept- HSAB Principle, Lewis theory, Bronsted-Lowry Concept, Chemical Equilibrium-Law of Mass Action, Law of Chemical Equilibrium, Le-Chatelier's Principle, Buffer solutions, common ion effect.

Electrochemistry- Electrochemical cells, Electrolytic cells, Batteries, Corrosion, Electrochemical Theory of Rusting of iron.

**UNIT-IV**

Polymers-Classification & Types, Types of Polymerization, Biodegradable Polymers, Commercially important Polymers- PVC, Teflon, PMMA, Natural Rubber, Vulcanization of Rubber Dyes-Classification & Structure, with examples.

**Suggested Readings:**

1. Krannich L.K., *Essentials of General Chemistry*, 2<sup>nd</sup> Edition, Ebbing Gammon Ragsdale.
2. Eledredge P. and Averill B., *General Chemistry: Principles, Patterns and Applications*, Saylor Foundation

**Note:**

1. The evaluation of students consists of external evaluation in case of the course of 50 Marks (Theory). For end-term examination, the examiner is required to set nine questions in all. Each question carries equal marks (10 marks). The distribution of marks will be as under: The first question will be compulsory consisting of 5 short-answer questions (2 marks each) covering the entire syllabus. In addition, eight questions will be set unit-wise comprising two questions from each unit. The Student shall be required to attempt five questions in all selecting one question from each unit including the compulsory question.

**B. Sc. (TEXTILE AND FASHION DESIGN): SEMESTER II**  
**BSFT- A201: COMMUNICATION SKILLS IN ENGLISH**

**DURATION: 3 HOURS**

**MAXIMUM MARKS: 100**  
**(EXTERNAL: 70, INTERNAL: 30)**

**Objective:** The objective of this course is to help the students to acquire knowledge and develop Communication Skills in English.

**UNIT I**

Sentences/clause structure, Tenses, Helping verbs.

**UNIT II**

Prepositions, Determiners, Forming new words, derivation compounding

**UNIT III**

Basics of Verbal Communication: Sounds, Word Accent, Intonation, Non-verbal Communication.

**UNIT IV**

Basics of Writing Skills: Making sentences, Paragraph Writing, Summarizing.

**Suggested Readings:**

1. Wren and Martin : *High School English Grammar and Composition*
2. Tickoo and Subramaniam: *A Functional Grammar with Usage and Composition*
3. Murphy, Raymond : *Essential English Grammar*, Cambridge University Press
4. Maisson, Margaret M. : *Examine Your English*
5. Allen. W. S. : *Living English Structure*
6. Flewings. Hartin : *Advanced English Grammar*, Cambridge University Press
7. *50 Ways to Improve Your Business English...without too much effort*, Ken Taylor, Hyderabad: Orient Blackswan.
8. *Business Communication, Ed.*, Om P. Juneja&Aarti Mujumdar, Hyderabad: Orient Blackswan.

**Note:**

1. The evaluation of students consists of both internal and external evaluation. Internal evaluation includes mid-term examination (20 marks) covering two units of the syllabus, an assignment (05 marks) and class attendance (05 marks). The external evaluation includes end-term examination of 70 marks covering the whole syllabus.
2. For end-term examination, the examiner is required to set nine questions in all. Each question carries equal marks (14 marks). The distribution of marks will be as under: The first question will be compulsory consisting of 7 short-answer questions (2 marks each) covering the entire syllabus. In addition, eight questions will be set unit-wise comprising two questions from each unit.
3. The student shall be required to attempt five questions in all selecting one question from each unit including the compulsory question.

## **B. Sc. (TEXTILE AND FASHION DESIGN): SEMESTER II**

### **BSFT-C201: DYNAMICS OF FASHION**

**DURATION: 3 HOURS**

**MAXIMUM MARKS: 100**  
**(THEORY: 50, PRACTICAL: 50)**

**Objective:** The objective of this course is to help the students to acquire conceptual knowledge about dynamics of fashion.

#### **UNIT I**

Fashion: Definitions, origin, evolution, importance, terminology. Fashion and silhouette, fashion characteristics, factors effecting fashion movements.

#### **UNIT II**

Components of Fashion: Tangible and Intangible. Fashion cycle; Stages, cycle length and broken fashion cycle. Theories of fashion adoption. Principles of fashion. Fashion trends and analysis.

#### **UNIT III**

Fashion forecasting: meaning, indicators used for prediction, sources of forecasting, driving forces of fashion.

#### **UNIT IV**

Role of fashion designers and institutes for development of fashion industry. Study of creation of leading Indian fashion designers. Career in fashion industry.

**Practical:** Project of fashion trends: visit to local showrooms/boutiques/fashion houses and analysis of their collection in terms of fashion trends. Preparation of report on national fashion weeks/fashion shows.

#### **Suggested readings:**

1. Diamond, J and Pinter, G. *Retail Buying*, Prentice Hall of India Pvt. Ltd., New Delhi. 1997
2. Donnellan, J., *Merchandise Buying and Management*. Fairchild Publications, New York. 1999
3. Greenwood, K.M. and Murphy, M.F., *Fashion Innovation and Marketing*. Macmillan Publishing Co. Inc., New York. 1978

#### **Note:**

1. The evaluation of students consists of external evaluation in case of the course of 50 Marks (Theory). For end-term examination, the examiner is required to set nine questions in all. Each question carries equal marks (10 marks). The distribution of marks will be as under: The first question will be compulsory consisting of 5 short-answer questions (2 marks each) covering the entire syllabus. In addition, eight questions will be set unit-wise comprising two questions from each unit. The Student shall be required to attempt five questions in all selecting one question from each unit including the compulsory question.
2. Scheme of Practical: Practical file-10 marks, worksheet-05 marks, Practical class room work-10 marks, viva-voce-05 marks, practical work-20 marks.

**B. Sc. (TEXTILE AND FASHION DESIGN): SEMESTER II**  
**BSFT- C202: TRADITIONAL TEXTILES AND EMBROIDERIES OF INDIA**

**DURATION: 3 HOURS**

**MAXIMUM MARKS: 100**  
**(THEORY: 50, PRACTICAL: 50)**

**Objective:** The objective of this course is to help the students to acquire conceptual knowledge about traditional textiles & embroideries of India.

**UNIT-I**

Traditional textiles: Importance, history of hand woven, dyed, printed and painted textiles of India. Woven textiles- brocades, jamavar, jamdani, chanderi, maheshwari, kanjivaram, kota and baluchari.

**UNIT-II**

Resist printed textiles: Bandhani, patola, Ikat and pochampalli. Painted textile: kalamkari. Regional variations in symbolic motifs.

**UNIT-III**

Traditional embroideries of India: Introduction, stitches, motifs, base fabrics, thread, techniques and colour combination used in embroideries of Kutch, Kathiawar, Sindhi, Phulkari, Kantha, Kasuti, Chamba Rumal, Mainpuri, Kashida, Chikankari and Zardozi.

**UNIT-IV**

Changing trends in traditional embroideries and their contemporary application through simple and computerized embroidery machine.

**Practical:** Documentation of traditional textile and analysis with reference to fiber, fabrics, colours, motifs and designs. Preparation of samples of traditional embroideries in trend: chikankari, Kantha, Kashida, Phulkari, Kutch and Zardozi.

**Suggested Readings:**

1. Shailaja D. Naik. *Traditional Embroideries of India*, API Pub Corp. New Delhi. 1996
2. Sheila, Paine, *Embroidered Textiles*, Thames and Hudson Ltd. 1990
3. Usha, Srikant. *Ethnic Embroideries of India*
4. Savithri, Pandit. *Indian Embroidery*
5. Gail, Lawther, *Inspirational Ideas for Embroidery on Clothes and Accessories*, Search Press Ltd., 1993
6. Barbara, Snook, *Creative Art of Embroidery*, Numbly Pub. Group Ltd., London, 1972
7. Anne Mathew. *Vogue Dictionary of Crochet Stitches*, David and Charles, London, 1989

**Note:**

1. The evaluation of students consists of external evaluation in case of the course of 50 Marks (Theory). For end-term examination, the examiner is required to set nine questions in all. Each question carries equal marks (10 marks). The distribution of marks will be as under: The first question will be compulsory consisting of 5 short-answer questions (2 marks each) covering the entire syllabus. In addition, eight questions will be set unit-wise comprising two questions from each unit. The Student shall be required to attempt five questions in all selecting one question from each unit including the compulsory question.
2. Scheme of Practical: Practical file-10 marks, worksheet-05 marks, Practical class room work-10 marks, viva-voce-05 marks, practical work-20 marks.

**B. Sc. (TEXTILE AND FASHION DESIGN): SEMESTER II**  
**BSFT- C203: FABRIC STUDIES**

**DURATION: 3 HOURS**

**MAXIMUM MARKS: 100**  
**(THEORY: 50, PRACTICAL: 50)**

**Objective:** The objective of this course is to help the students to acquire conceptual knowledge of fabrics.

**UNIT I**

Fancy weaves: dobby, jacquard, pile, leno and surface figure. Influences on weaves on fabric characteristics. Techniques and process used for production fancy woven fabrics.

**UNIT II**

Knitting terminology. Difference between woven and knitted fabrics. Knitted structures: plain jersey, double jersey, purl, rib and interlock. Knitting techniques: loop formation, gauge, weft knits, wrap knits and their comparison. Knitting stitches: knit, tuck, float/miss stitch.

**UNIT III**

Other forms of fabric production: Non-woven, lace-making, knotting, braiding, crocheting, netting, felting, tatting, tufting etc.

**UNIT IV**

Machines for fabric formation, different types of looms, knitting machines and tools used for other forms of fabric construction.

**Practical:** Study of loom and its parts, weaving accessories. Preparation of samples of elementary weaves and their variations: plain, twill and satin. Study of knitting machines and its parts, accessories and their uses. Making samples of hand knitting techniques; port-folio development of different fabrics and their study in relation to construction techniques, weaves and textures.

**Suggested readings:**

1. Gohl. E.P.G. and Vilensky L.D. *Textile Science*, CBS Publishers, New Delhi, 1999
2. Mishra S.P. *A Text Book of Fibre Science and Technology*, New Age Int., Delhi, 2000
3. Goswami B.C. *Textile yarns: Technology, Structure and Applications*, Wiley –Interscience, New York, 1978
4. Andrea Wynne. *Textiles*. Macmillian. 1997
5. Bernard P Corbman. *Textiles- Fiber to Fabric*. McGraw-Hill. 1983
6. Lyle DS. *Modern Textiles*. John Wiley & Sons. 1976

**Note:**

1. The evaluation of students consists of external evaluation in case of the course of 50 Marks (Theory). For end-term examination, the examiner is required to set nine questions in all. Each question carries equal marks (10 marks). The distribution of marks will be as under: The first question will be compulsory consisting of 5 short-answer questions (2 marks each) covering the entire syllabus. In addition, eight questions will be set unit-wise comprising two questions from each unit. The Student shall be required to attempt five questions in all selecting one question from each unit including the compulsory question.
2. Scheme of Practical: Practical file-10 marks, worksheet-05 marks, Practical class room work-10 marks, viva-voce-05 marks, practical work-20 marks.



**B. Sc. (TEXTILE AND FASHION DESIGN): SEMESTER II**  
**BSFT-AP201: DRESS DESIGNING AND PATTERN MAKING-I**

**DURATION: 3 HOURS**

**MAXIMUM MARKS: 100**  
**(THEORY: 50, PRACTICAL: 50)**

**Objective:** The objective of this course is to help the students to acquire conceptual knowledge of Garment Construction and pattern making.

**UNIT I**

Garment construction terminology. Importance of clothes. Appropriate clothing for different age groups: infants, toddlers, pre and elementary school age, teenagers, adults and old age. Wardrobe planning: Age, occupation, season, occasion etc.

**UNIT II**

Dress designing: Importance, scope and attributes of dress designer. Design types and use of constructional features in design.

**UNIT III**

Pattern making: importance, terminology. Body measurements: importance, standardization and size charts of children and adult body measurements. Techniques of pattern making: principles, applications and limitations, pattern sizes.

**UNIT IV**

Preparation of basic blocks for front, back, sleeve, skirt for children and adult. Pattern alterations.

**Practical:** Drafting, cutting and stitching: children garments-baby layette-jhabla, frocks, T-shirt, adult garments-blouse, petticoat, kameez-salwar, churidar-pyjama, kurta-pyjama. Creation of stylized garment designs for children of different age groups and adults using various constructional features; development of paper pattern of five garments using flat pattern; cutting and stitching of garments using developed paper patterns.

**Suggested Readings:**

1. Goulbourn, Margaitha. *Introducing Fashion Cutting, Grading & Modelling*, Batsford Pub. UK
2. Bane, Allyne, *Flat pattern design*, Mc GrewHill Pub., USA
3. Winfred, Aldrich. *Metric Pattern Cutting*, Blackwell Science, UK
4. Bane A. *Creative Clothing Construction*. MC Gaw-Hill. 1996.
5. Natalie Bray. *Dress Fitting*. Blackwell. 1994.
6. Harold C. & Barbara, L. *The Technology of Clothing manufacture*, Oxford Pub., USA, 1994
6. Gerry, Cooklon, *Introduction to Clothing manufacture*, Blackwell Science, UK, 1991

**Note:**

1. The evaluation of students consists of external evaluation in case of the course of 50 Marks (Theory). For end-term examination, the examiner is required to set nine questions in all. Each question carries equal marks (10 marks). The distribution of marks will be as under: The first question will be compulsory consisting of 5 short-answer questions (2 marks each) covering the entire syllabus. In addition, eight questions will be set unit-wise comprising two questions from each unit. The Student shall be required to attempt five questions in all selecting one question from each unit including the compulsory question.
2. Scheme of Practical: Practical file-10 marks, worksheet-05 marks, Practical class room work-10 marks, viva-voce-05 marks, practical work-20 marks.

**B. Sc. (TEXTILE AND FASHION DESIGN): SEMESTER II**  
**BSFT-AP202: FASHION DESIGN AND ILLUSTRATIONS**

**DURATION: 3 HOURS**

**MAXIMUM MARKS: 100**  
**(PRACTICAL:100 Marks)**

**Objective:** The objective of this course is to help the students to acquire conceptual knowledge of illustrations regarding fashion and stylization.

**Practical:**

**Scheme of Practical: Practical file-20 marks, Worksheet-10 marks, Practical class room work-20 marks, viva-voce-10 marks, Practical work-40 marks.**

Sketching of various garment details: necklines, collars, sleeves, cuffs, gathers, pleats and folds. Flat-sketching of various garments: front and back, costume style lines. Garment draping on fashion figures. Rendering of pattern and fabrics. Designing garments for various age groups. Theme based design development for product: preparation of inspiration sheet, mood board, theme board and spec sheets. Analysis of design collections of famous designers. Case studies of famous national and international designers. Development of fashion portfolio.

**Suggested readings:**

1. Gerry, Cooklin, *Pattern grading for children*, Om Book Service, New Delhi, 1991
2. Singer, *Sewing active wear*, Cy DeCosse Incs, 1986
3. Singer, *Sewing pants that fit*, Cowles creative Pub., 1989
4. Singer, *Sewing Lingerie*, Cy DeCosse Incs, 1991
5. Anna Haggard, *Pattern Cutting for lingerie, beachwear & leisurewear*, Blackwell Science, UK, 1990

## **B. Sc. (TEXTILE AND FASHION DESIGN): SEMESTER-III**

### **BSFT- C301 FASHION ART AND DESIGN**

**DURATION: 3 HOURS**

**MAXIMUM MARKS:100**

**(THEORY:50, PRACTICAL:50)**

**Objective:-** The objective of this course is to help the students to acquire conceptual knowledge about technical skills to create varieties of clothing and hours, marriage functions, sports, uniforms for civil services, airhostess, hoteliers, schools going girls and boys etc.

#### **UNIT-I**

Terms related to the Fashion Industry-Fashion, Style, Fad, Classic and Collection, Mannequin, fashion show, trend, forecasting, high fashion, haute culture, fashion director, fashion editor, buying house, apparel, fashion merchandising.

#### **UNIT-II**

Colour- definition, colour theories- Prang colour chart, Standard colour harmonic application in dress design, Colour mediums:- water colours, poster colours, water soluble colours, Stedders , oil colours, ink colours, ceramic colours.

#### **UNIT-III**

Design- Definition and types Structural and decorative design, requirement of a good structural and decorative design. Application of structural and decorative design in a dress, selection and application of trimmings and decorations.

#### **UNIT-IV**

Designing of dress based on figure types- colour combination , various garment to create optical illusions. Clothing and personality :- Clothing and attitude , Clothing and motivation, grooming.

**Practical:** Prepare;- The prang colour chart, colour chart, value chart, intensity chart. Illustrate garment designs for the elements of design :- Line, Colour, Texture, Shape of form, Size. Design garments for different age groups.

#### **Suggested Readings:**

1. Ginistephersfrings, *Fashion- From concept to consumer-* 6<sup>th</sup> edition, Prentice Hall(1999)
2. Benneet, *Inside the fashion Business*, Coleman and co Mumbai (1998)
3. Horriet T, Jimsey MC, *Art and fashion in clothing selection*, Thelawa state university press ames, lawa(1973)
4. Heannette A Jarnowet, *Inside the fashion business* –Macmilan publishing company New York.
5. Jimsey MC and Harriet, *Art and fashion in clothing selection-* Lawa state university press, lawa

#### **Note:**

1. The evaluation of students consists of external evaluation in case of the course of 50 Marks (Theory). For end-term examination, the examiner is required to set nine questions in all. Each question carries equal marks (10 marks). The distribution of marks will be as under: The first question will be compulsory consisting of 5 short-answer questions (2 marks each) covering the entire syllabus. In addition, eight questions will be set unit-wise comprising two questions from each unit. The Student shall be required to attempt five questions in all selecting one question from each unit including the compulsory question.
2. Scheme of Practical: Practical file-10 marks, worksheet-05 marks, Practical class room work-10 marks, viva-voce-05 marks, practical work-20 marks.

## **B. Sc. (TEXTILE AND FASHION DESIGN): SEMESTER-III**

### **BSFT- C302: DRAPING AND APPAREL DESIGN**

**DURATION: 3HOURS**

**MAXIMUM MARKS:100**

**(THEORY:50, PRACTICAL:50)**

**Objective:-** The objective of this course is to help the students to acquire the skill in terms of Sewing techniques and garment manufacturing of different age groups on the gradation basis.

#### **UNIT:-I**

Draping : Tools and equipments used in draping. Terminology : Apex, balance, plumb line, trueing, Blocking , Blending line, Clipping and marking.

#### **UNIT-II**

Fabric preparation, handling special fabrics, suitability of different fabrics for different garments, Principles of fitting, factors to be considered while fitting, common fitting problems and remedial measures. Garment details collars , sleeves ,trimmings , fasteners pockets, plackets, timing, interlining facing and interfacing.

#### **UNIT-III**

Draping Techniques:- front bodice back bodice skirt front and back. Dart manipulation through draping,

#### **UNIT-IV**

Bias Dresses: Princess line, Neckline, Cowl Collar, mandarin, sleeves, yokes, shoulder, midriff hip line.

**Practical:** Draping: basic block for upper and lower garments, creation of designs using various constructional features, development of pattern and construction of women wears with style feature, casual wear party wear and formal wear. Fullness, collars sleeves pockets, necklines frills, skirts trousers fasteners and trimmings

#### **Suggested Readings:-**

1. Gupta N., *Clothing and textile*
2. Sodhia M., *Drafting and Pattern Making*

#### **Note:**

1. The evaluation of students consists of external evaluation in case of the course of 50 Marks (Theory). For end-term examination, the examiner is required to set nine questions in all. Each question carries equal marks (10 marks). The distribution of marks will be as under: The first question will be compulsory consisting of 5 short-answer questions (2 marks each) covering the entire syllabus. In addition, eight questions will be set unit-wise comprising two questions from each unit. The Student shall be required to attempt five questions in all selecting one question from each unit including the compulsory question.
2. Scheme of Practical: Practical file-10 marks, worksheet-05 marks, Practical class room work-10 marks, viva-voce-05 marks, practical work-20 marks.

## **B. Sc. (TEXTILE AND FASHION DESIGN): SEMESTER-III**

### **BSFT-C303 HISTORIC COSTUMES OF INDIA**

**DURATION: 3HOURS**

**MAXIMUM MARKS:100**

**(THEORY:50, PRACTICAL:50)**

**Objective:-**The objective of this course is to help the students to acquire the skill in terms of history of all kind of costumes in India.

#### **UNIT-I**

History of fashion in India from the earliest known civilization of Indus valley and Harappan(3300-1300 BC), till ( 21<sup>st</sup> Century), Vedic period , Gupta period, Mughal period , British period

#### **UNIT-II**

Traditional costumes of India:- Punjab ,Himachal Pradesh, Gujarat , Rajasthan, Maharashtra

#### **UNIT-III**

History of costumes:- Uttar Pradesh, Madhya Pradesh, Jammu and Kashmir , Kutch and Savairashtra  
Tamilnadu

#### **UNIT-IV**

Traditional textiles of India , Indian Sarees: Banarasi, Patola, Balluchari, Chanderi, Bangali Sarees , jamdanipitamber or paithani, poona Sarees, gadwall embroidered or dyed kalamkaari.

**Practical:** Documentation of costumes of different periods, Adaption of traditional costumes to two garments of contemporary use.

#### **Suggested Readings:**

1. Kumar R., “ *Costumes and Textiles of Royal India*”. Christies Book Ltd. London, 1999.
2. Gurey G.S, *Indian Costumes*, The popular book depot.
3. Sodhia M., *History of Fashion*
4. Joy Diamond, Eileen Diamond , *Fashion Apparel and Accessories*.

#### **Note:**

1. The evaluation of students consists of external evaluation in case of the course of 50 Marks (Theory). For end-term examination, the examiner is required to set nine questions in all. Each question carries equal marks (10 marks). The distribution of marks will be as under: The first question will be compulsory consisting of 5 short-answer questions (2 marks each) covering the entire syllabus. In addition, eight questions will be set unit-wise comprising two questions from each unit. The Student shall be required to attempt five questions in all selecting one question from each unit including the compulsory question.
2. Scheme of Practical: Practical file-10 marks, worksheet-05 marks, Practical class room work-10 marks, viva-voce-05 marks, practical work-20 marks.

**B. Sc. (TEXTILE AND FASHION DESIGN): SEMESTER-III**  
**BSFT- SEC-301 DYEING, PRINTING AND FINISHING OF TEXTILES**

**DURATION: 3HOURS**

**MAXIMUM MARKS:100**  
**(THEORY:50, PRACTICAL:50)**

**Objective:-** The objective of this course is to help the students to acquire the skills in terms of all kind of printing hand techniques.

**UNIT-I**

Preparatory processes of fabric : singeing, scouring, degumming , bleaching, mercerization

**UNIT-II**

Dyeing : Introduction , Classification and application of dyes- direct , basic, acid, vat, azoic ,reactive and disperse dyes; methods of dyeing stock, yarn, piece, union

**UNIT-III**

Printing methods and styles : block, screen, roller, direct, resist, discharge and transfer.

**UNIT-IV**

Textile Finishes : Importance, Classification and application of finishes –tentering, decatizing brushing, sanforsing, weighting water proof /repellent , oil and soil repellent, oil and soil repellents, antimicrobial, antistatic and enzymatic finishes ; garment finishes : softener , enzymatic and denim washes ; laundry principles : stain removal , washing methods ; soaps and detergents ; whitening and blueing agents.

**Practical:** Preparation of fabric for dyeing , printing and finishing ; selection and preparation of dyes for different fabrics ; bleaching and mercerization of cotton ; dyeing and printing of fabrics with different methods , preparation of articles.

**Suggested Readings:**

1. Shenai V.A. *Introduction to the Chemistry Of Dye Stuffs* , Sevek Pub., Mumbai , 1991.
2. Trotman, E.R. *Dyeing & Chemical Technology of textile fibres*, Charles Griffin co., London 1993.
3. James Ronald. *Printing & Dyeing of Fabrics & Plastics*, Mahajan Book Distributors, 1996
4. Hall AJ. *Handbook of Textile Dyeing and Printing*. The National Trade Press, 1955.
5. Joyce Story, *The Thames & Hudson Manual of Textile Printing*. Thames & Hudson,1974.
6. Prayag RS. *Textile Finishing* Sri T Printers, 1988
7. Shenai, VA. *Chemistry of Textile Auxillaries*. Sevak publication 1976.

**Note:**

1. The evaluation of students consists of external evaluation in case of the course of 50 Marks (Theory). For end-term examination, the examiner is required to set nine questions in all. Each question carries equal marks (10 marks). The distribution of marks will be as under: The first question will be compulsory consisting of 5 short-answer questions (2 marks each) covering the entire syllabus. In addition, eight questions will be set unit-wise comprising two questions from each unit. The Student shall be required to attempt five questions in all selecting one question from each unit including the compulsory question.
2. Scheme of Practical: Practical file-10 marks, worksheet-05 marks, Practical class room work-10 marks, viva-voce-05 marks, practical work-20 marks.

**B. Sc. (TEXTILE AND FASHION DESIGN): SEMESTER III  
INTERNSHIP  
BSFT-ST-301**

**DURATION: 3 HOURS**

**MAXIMUM MARKS: 50  
(PRACTICAL:50)**

The credits will be accrued in the 3<sup>rd</sup> Semester. There will be four-weeks internship training during the break after the 2<sup>nd</sup> Semester. The students will be required to be apprentice under the mentorship of a faculty to undergo training in a fashion/garments/textile industry/boutique/ fashion house/buying houses etc. This training will be of two credits. The students will submit their reports online on day-to-day basis to the mentor. They will submit internship report, Swatch file and photocopy of the certificate duly signed by the authorized person of the industry/house. Evaluation will be done after the completion of apprenticeship through PPT before a committee consisting of internal examiner, external examiner and Principal.

**Scheme of Practical: Practical file-10 marks, PPT-20, Viva-voce-20 marks**

**B. Sc. (TEXTILE AND FASHION DESIGN): SEMESTER-IV**  
**BSFT- C401 APPAREL APPRECIATION AND COMMUNICATION**

**DURATION: 3HOURS**

**MAXIMUM MARKS:100**  
**(THEORY:50,PRACTICAL:50)**

**Objective:-** It is helpful for the students to improve the visual consciousness and the skill of innovative designing.

**UNIT-I**

Clothing : Origin , theories , Functions and Modern Philosophy, Definition of visualization; importance of visual designing , terminology of visual designing, merits and demerits

**UNIT-II**

Clothing Communication: First impression , individual value, attitude, interest personal communication, personal expression, Visual experience of elements, objects and design, Visual composition in designing, Aspects of visual experience.

**UNIT-III**

Clothes and personality ; psychological and sociological influence of clothing; Focus on colour, Colour visualization, Colour mixing, effect of colour; red, yellow ,blue ,green, violet, orange, white and black.

**UNIT-IV**

Clothing culture and communication based on liberal , social , democrat , customs and traditions , religion , beliefs , marital status and occupation, Enhancing eye, hand co-ordination, blind drawing focus on drawing, Gestures for visualization.

**Practical:** Preparation of a folder based on visualized Design, Inspirational Designs and theme based designs.

**Suggested Readings:**

1. Wilson K., *The Artists Everything Handbook*, Harper Design(2015)
2. Fontana B. E., *Drawing on the right side of the brain*-Tarcher, 4<sup>th</sup> Edition No. 2012.

**Note:**

1. The evaluation of students consists of external evaluation in case of the course of 50 Marks (Theory). For end-term examination, the examiner is required to set nine questions in all. Each question carries equal marks (10 marks). The distribution of marks will be as under: The first question will be compulsory consisting of 5 short-answer questions (2 marks each) covering the entire syllabus. In addition, eight questions will be set unit-wise comprising two questions from each unit. The Student shall be required to attempt five questions in all selecting one question from each unit including the compulsory question.
2. Scheme of Practical: Practical file-10 marks, worksheet-05 marks, Practical class room work-10 marks, viva-voce-05 marks, practical work-20 marks.



**B. Sc. (TEXTILE AND FASHION DESIGN): SEMESTER-IV**  
**BSFT- C402 INTRODUCTORY COMPUTER SCIENCE**

**DURATION: 3HOURS**

**MAXIMUM MARKS:100**  
**(THEORY:50, PRACTICAL:50)**

**Objective:-** The objective of this course is to acquire the skill of computer designing.

**UNIT-I**

Introduction to Computers, Evolution of Computers, Characteristics, Classification, Function of Computers, Data representation

**UNIT-II**

Computer hardware –Central Processing Unit, Input/out Devices, Microprocessor (Fundamentals).

**UNIT-III**

Computer Software –Operating systems, Application software's like Word Processors (Word Star/Word Perfect/ MS-Word and Spread Sheets) LOTUS 1-2-3/MS-Excel)

**UNIT-IV**

Presentation and Techniques of Powerpoint, Function of PowerPoint, Detail of PowerPoint Application of PowerPoint,

**Practical:** Practical exercises pertaining to above theory contents. Preparation of PowerPoint Presentation according to Textile and Fashion Field.

**Suggested Readings:**

1. Absolute Beginner's Guide to Computer Basics, Michael Miller.
2. Fundamental of Computers, Akash Saxena, Kratika Gupta.
3. Fundamentals of Information Technology, Alexis and Mathew.
4. Leon, Alexis: *Fundamental of Information Technology*, Vikas Publication House (P) Ltd., New Delhi .
5. Minoli, Daniel, *Internet and Intranet Engineering*, Tata McGraw-Hill Publishing Co Ltd., New Delhi.
6. Saxena, Sanjay: *A First Course in Computer*, Vikas Publication House (P) Ltd., New Delhi

**Note:**

1. The evaluation of students consists of external evaluation in case of the course of 50 Marks (Theory). For end-term examination, the examiner is required to set nine questions in all. Each question carries equal marks (10 marks). The distribution of marks will be as under: The first question will be compulsory consisting of 5 short-answer questions (2 marks each) covering the entire syllabus. In addition, eight questions will be set unit-wise comprising two questions from each unit. The Student shall be required to attempt five questions in all selecting one question from each unit including the compulsory question.
2. Scheme of Practical: Practical file-10 marks, worksheet-05 marks, Practical class room work-10 marks, viva-voce-05 marks, practical work-20 marks.

## **B. Sc. (TEXTILE AND FASHION DESIGN): SEMESTER-IV**

### **BSFT- C403 WORLD HISTORIC COSTUMES**

**DURATION: 3HOURS**

**MAXIMUM MARKS:100**

**(THEORY: 50, PRACTICAL:50)**

**Objective:-** The objective of this course is to help the students to acquire the knowledge of Historic Costumes of World.

#### **UNIT:-I**

World costume of Different periods: - The Roman period, Gothic period, Egyptian period , The Byzantine period.

#### **UNIT –II**

French Historic costumes, Greek Period Costumes, Russian Influence on Costumes.

#### **UNIT –III**

Ancient world , History of dress , Strengths and weakness of Evidence about dress. Common types of Garments.

#### **UNIT-IV**

Fashion, Costume and culture:- Clothing, Headwears, Body Decoration and Footwear through the ages, Ancient Greek, Ancient Rome, Early Asian Culture, Europe in the middle ages.

**Practical:** Presentation of world costumes of different periods, Visit to Museums

#### **Suggested Readings:-**

1. Mehta R. J, *Master Pieces of Indian Textiles* , Taraporvala Sons & Co. Pvt. Ltd., Mumbai 1960.
2. BinaAbling , “ *Costumes* ”
3. Frankopan P., *The Silk Roads- A New History of the World*

#### **Note:**

1. The evaluation of students consists of external evaluation in case of the course of 50 Marks (Theory). For end-term examination, the examiner is required to set nine questions in all. Each question carries equal marks (10 marks). The distribution of marks will be as under: The first question will be compulsory consisting of 5 short-answer questions (2 marks each) covering the entire syllabus. In addition, eight questions will be set unit-wise comprising two questions from each unit. The Student shall be required to attempt five questions in all selecting one question from each unit including the compulsory question.
2. Scheme of Practical: Practical file-10 marks, worksheet-05 marks, Practical class room work-10 marks, viva-voce-05 marks, practical work-20 marks.

## **B. Sc. (TEXTILE AND FASHION DESIGN): SEMESTER-IV**

### **BSFT- SEC-401 FASHION ACCESSORIES**

**DURATION: 3HOURS**

**MAXIMUM MARKS:100**

**(THEORY: 50, PRACTICAL:50)**

**Objective:** The objective of the course is to help the students to acquire the skill in terms of fashion accessory Designing.

#### **UNIT-I**

Introduction to accessory design: - Concept, importance; Terminology of fashion accessory.

#### **UNIT-II**

Career in accessory designing role of accessory in fashion stream; To understand the various tools and machinery used in accessory making.

#### **UNIT-III**

To understand pricing and sourcing materials; Importance of fashion accessory; Scope of accessory designing.

#### **UNIT-IV**

Types of fashion accessory; Evaluation of fashion accessory; History of fashion accessory.

**Practical:** Introduction to accessory design various types of shoes , handbags, hats and gloves etc. Collection of materials related to the accessories based on different themes- tribal, ethnic, contemporary , traditional and fusion (File work with articles) To create accessories from each theme ( Head dress, foot wears, Handbags, sewer beads, gloves etc.)

#### **Suggested Readings:**

1. Joy Diamond, Eileen diamond , *Fashion apparel and accessories*.
2. Borel F., *The splendor of ethnic Jewelry* NJ Abram Inc, New York.
3. Ajit M., *5000 Designs and motifs from India*, Daver Publications London.
4. Salinger J., *Apparel, Manufactures handbook*.

#### **Note:**

1. The evaluation of students consists of external evaluation in case of the course of 50 Marks (Theory). For end-term examination, the examiner is required to set nine questions in all. Each question carries equal marks (10 marks). The distribution of marks will be as under: The first question will be compulsory consisting of 5 short-answer questions (2 marks each) covering the entire syllabus. In addition, eight questions will be set unit-wise comprising two questions from each unit. The Student shall be required to attempt five questions in all selecting one question from each unit including the compulsory question.
2. Scheme of Practical: Practical file-10 marks, worksheet-05 marks, Practical class room work-10 marks, viva-voce-05 marks, practical work-20 marks.

## **B. SC. (TEXTILE AND FASHION DESIGN): SEMESTER-V**

### **BSFT- DSE-501 HOME FASHION**

**DURATION: 3HOURS**

**MAXIMUM MARKS:100**

**(THEORY: 50, PRACTICAL:50)**

**Objective:**The objective of this course is to provide skills of Home Fashion.

#### **UNIT I**

Introduction to Home Fashion, Present scenario of Home Fashion/Textile market in the domestic and international market.

#### **UNIT II**

Selection of raw material and the essential characteristics of Home Textile materials. Different home fashion fabrics – Table Linens, Bedspreads, Curtains, other draperies.

#### **UNIT III**

Advanced fabric structures for Home Textile materials – Brocade, Damask, Gauze, Leno, Upholstery fabrics. Floor Coverings – Carpets (domestic and machine made and rugs).

#### **UNIT IV**

Design criteria of Home Fashion/Textile material Presentation techniques – Flat sketches, Mood board, Storyboard, Portfolio.

**Practical:** Introduction to the “Textile Designing & Development Software”. Practice of making Color & Weave Effects. Developing designs for home furnishing fabrics like, Bed-sheets, curtains, table linens, etc. Utilisation of the computerized designs for the manufacturing of the sample of home-furnishing textiles. Making of flat sketches, Moodboard, storyboard and portfolio.

#### **Suggested Readings:**

1. Grosicki Z J.Watson’s *Advanced Textile Design*
2. B.Wongate., *Textile Fabrics and their Selection*,7th Ed Isabel
3. Dickerson K.G., *Inside the Fashion Business*
4. Frings G.S., *Fashion from Concept to Consumer*
5. Armstrong H.J., *Pattern-making for Fashion Design*

#### **Note:**

1. The evaluation of students consists of external evaluation in case of the course of 50 Marks (Theory). For end-term examination, the examiner is required to set nine questions in all. Each question carries equal marks (10 marks). The distribution of marks will be as under: The first question will be compulsory consisting of 5 short-answer questions (2 marks each) covering the entire syllabus. In addition, eight questions will be set unit-wise comprising two questions from each unit. The Student shall be required to attempt five questions in all selecting one question from each unit including the compulsory question.
2. Scheme of Practical: Practical file-10 marks, worksheet-05 marks, Practical class room work-10 marks, viva-voce-05 marks, practical work-20 marks.

**B. SC. (TEXTILE AND FASHION DESIGN): SEMESTER-V**  
**BSFT- DSE-502 DRESS DESIGN AND PATTERN MAKING-II**

**DURATION: 3HOURS**

**MAXIMUM MARKS:100**  
**(THEORY: 50, PRACTICAL:50)**

**Objective:** The objective of this course is to acquire the knowledge based on apparel design and garment manufacturing.

**UNIT-I**

Adult's body measurement chart: Development of paper patterns: adult bodice block, trousers and skirts.

**UNIT-II**

Preparation of basic pattern blocks:- Preparation of pattern set for text fit, The basic sleeves and its terminology, Sleeve cap ease with arm hole measurements , sleeve draft , adjustment of sleeves to arm hole of bodies; Sleeves working pattern , completing the pattern , pattern information , seam allowances in pattern, basic pattern set.

**UNIT-III**

Designing through flat pattern techniques: dart manipulation through pivot and slash spread methods to make single dart series, double dart series, parallel darts

**UNIT-IV**

Conversion of darts to tucks, pleats, gathers, princess line, empire line, yokes etc.

**Practical:** Adaptation of basic blocks for upper and lower garments for designing of various garments and developments of paper patterns.

**Suggested Readings:**

1. Gilewska T., *Pattern-Drafting for fashion Advanced*
2. Lacy C.L., *Advanced pattern making*
3. Jeannepowell & Carol foley, *Pattern making*
4. Bane and Alyne, *Flat pattern design*, McGrawHill pub., USA

**Note:**

1. The evaluation of students consists of external evaluation in case of the course of 50 Marks (Theory). For end-term examination, the examiner is required to set nine questions in all. Each question carries equal marks (10 marks). The distribution of marks will be as under: The first question will be compulsory consisting of 5 short-answer questions (2 marks each) covering the entire syllabus. In addition, eight questions will be set unit-wise comprising two questions from each unit. The Student shall be required to attempt five questions in all selecting one question from each unit including the compulsory question.
2. Scheme of Practical: Practical file-10 marks, worksheet-05 marks, Practical class room work-10 marks, viva-voce-05 marks, practical work-20 marks.

**B. Sc. (TEXTILE AND FASHION DESIGN): SEMESTER-V**  
**BSFT-DSE-503 FASHION MARKETING AND MERCHANDISING**

**DURATION: 3 HOURS**

**MAXIMUM MARKS:100**

**(THEORY: 50, PRACTICAL:50)**

**Objective:** The objective of this course is to guide the students to maintain good relationship in marketing. It is also helpful for the students to acquire the knowledge of marketing and merchandising.

**UNIT-I**

Introduction to fashion marketing, The impact of fashion product, price, distribution and placement.

**UNIT-II**

Introduction to advertisement: advantages of advertisement, principles of advertisement; Public relations , Promotions and Advertising. Fashion and entertainment industry.

**UNIT- III**

The buying season : Marketing fashion to retailers. Targeting the fashion consumer.

**UNIT- IV**

Global fashion : Introduction , Analyze the importance of marketing fashion globally.

**Practical :**Market survey of minimum five brands and prepare a project report on these brands and their influence.

**Suggested Readings:**

1. Sodhia M., *Marketing and merchandising*
2. Doris H. Kincade, *Merchandising of fashion products*
3. Clark, *Fashion Merchandising*

**Note:**

1. The evaluation of students consists of external evaluation in case of the course of 50 Marks (Theory). For end-term examination, the examiner is required to set nine questions in all. Each question carries equal marks (10 marks). The distribution of marks will be as under: The first question will be compulsory consisting of 5 short-answer questions (2 marks each) covering the entire syllabus. In addition, eight questions will be set unit-wise comprising two questions from each unit. The Student shall be required to attempt five questions in all selecting one question from each unit including the compulsory question.
2. Scheme of Practical: Practical file-10 marks, worksheet-05 marks, Practical class room work-10 marks, viva-voce-05 marks, practical work-20 marks.

## **B. SC. (TEXTILE AND FASHION DESIGN): SEMESTER-III**

### **BSFT-C504 JEWELLERY DESIGNING**

**DURATION: 3HOURS**

**MAXIMUM MARKS:100**

**(THEORY:50, PRACTICAL:50)**

**Objective:-**The objective of this course is to understand the geometric principles, analysis of form, geometry in art & developments of motifs.

#### **UNIT-I**

Introduction of Jewellery Design: kinds and importance according to attire, Metal Decorations: Enameling, Filigree, Metal textures and finishes.

#### **UNIT-II**

Designing Jewellery on a particular theme: Development of motive to design Jewellery according to different themes. Brooches, Pendants Sets: Fancy Pendants and Tanmaniya

#### **UNIT-III**

Earrings: Studs and long earring Chandelier, Hand Rings: Flat band, Concave, Convex and Fancy rings

#### **UNIT-IV**

Bracelets and bangles: tennis bracelets, stiff bracelets and bangles, Anklets: Flexible and stiff, necklaces: Choker, Tapering and Party wear.

**Practical:** Preparation of traditional and contemporary jewellery and Design jewellery items according to different themes,.

#### **Suggested Readings:**

1. Pinton, D., "*Jewellery Technology*".
2. Olver, E., "*Jewellery Design*".
3. Olver, E., "*The Art of Jewellery Design*"
4. Untracht, O., "*Jewellery: Concepts and Technology*, Doubleday; 1st edition.

#### **Note:**

1. The evaluation of students consists of external evaluation in case of the course of 50 Marks (Theory). For end-term examination, the examiner is required to set nine questions in all. Each question carries equal marks (10 marks). The distribution of marks will be as under: The first question will be compulsory consisting of 5 short-answer questions (2 marks each) covering the entire syllabus. In addition, eight questions will be set unit-wise comprising two questions from each unit. The Student shall be required to attempt five questions in all selecting one question from each unit including the compulsory question.
2. Scheme of Practical: Practical file-10 marks, worksheet-05 marks, Practical class room work-10 marks, viva-voce-05 marks, practical work-20 marks

**B. Sc. (TEXTILE AND FASHION DESIGN): SEMESTER- V**  
**BSFT- SEC-501 APPAREL MANUFACTURING AND MANAGEMENT**

**DURATION: 3 HOURS**

**MAXIMUM MARKS – 100**  
**(THEORY: 50, PRACTICAL:50)**

**Objective:** The objective of this course is to impart the knowledge of Garment industry

**UNIT-I**

Garment Industry: importance, type of garment industry, organizational structure.

**UNIT-II**

Functions of different departments: merchandising, designing, purchasing, cutting, production, finishing and packaging.

**UNIT-III**

Management: concept, functions and importance; management areas: marketing, finance, human resource management, Production, maintenance and logistics.

**UNIT-IV**

Production and operations of garment business: production selection, site and layout decisions, machinery and equipment, production processes, capacity planning, garment engineering- time calculations, balancing, costing.

**Practical:** Analysis of spec sheets and sampling; stitching of upper and lower garments including consumption calculation, visit to garment industry.

**Suggested Readings:**

1. Chutler A. J. *Introduction to Clothing Production Management*. Blackwell science, UK, 1998
2. Harold C. & Barbara Latham. *The Technology of Clothing Manufacture*, Oxford Pub. USA, 1994
3. Bheda R., *Managing Productivity in the Apparel industry*. CBS Publications. New Delhi, 2003
4. Cooklin G., *Introduction to Clothing Manufacturer*. Blackwell. 1991
5. Cooklin G., *Garment Technology for Fashion Designer's*. Blackwell. 1997
6. Solinger J., *Apparel Manufacturer*. Van Nostrand Reilfold. 1980

**Note:**

1. The evaluation of students consists of external evaluation in case of the course of 50 Marks (Theory). For end-term examination, the examiner is required to set nine questions in all. Each question carries equal marks (10 marks). The distribution of marks will be as under: The first question will be compulsory consisting of 5 short-answer questions (2 marks each) covering the entire syllabus. In addition, eight questions will be set unit-wise comprising two questions from each unit. The Student shall be required to attempt five questions in all selecting one question from each unit including the compulsory question.
2. Scheme of Practical: Practical file-10 marks, worksheet-05 marks, Practical class room work-10 marks, viva-voce-05 marks, practical work-20 marks.



**B. Sc. (TEXTILE AND FASHION DESIGN): SEMESTER V  
INTERNSHIP  
BSFT-ST-501**

**DURATION: 3 HOURS**

**MAXIMUM MARKS: 50  
(PRACTICAL:50)**

The credits will be accrued in the 5<sup>th</sup> Semester. There will be four-weeks internship training during the break after the 4<sup>th</sup> Semester. The students will be required to be apprentice under the mentorship of a faculty to undergo training in a fashion/garments/textile industry/boutique/ fashion house/buying houses etc. This training will be of two credits. The students will submit their reports online on day-to-day basis to the mentor. They will submit internship report, Swatch file and photocopy of the certificate duly signed by the authorized person of the industry/house. Evaluation will be done after the completion of apprenticeship through PPT before a committee consisting of internal examiner, external examiner and Principal.

**Scheme of Practical: Practical file-10 marks, PPT-20, Viva-voce-20 marks**

## **B. Sc. (TEXTILE AND FASHION DESIGN): SEMESTER- VI**

### **BSFT- DSE-601 TEXTILE TESTING**

**DURATION: 3 HOURS**

**MAXIMUM MARKS – 100**

**(THEORY: 50, PRACTICAL:50)**

**Objective:** The objective of this course is to impart the skills of Textile Testing.

#### **UNIT-I**

Textile Testing: Importance, terminology, sampling techniques; Fibre Testing: Fibre length, fineness, strength, maturity of cotton.

#### **UNIT-II**

Yarn Testing: Yarn count, Yarn twist, strength and evenness of yarn.

#### **UNIT-III**

Fabric Testing: fabric dimensions, weight, thickness, length, width, fabric construction parameters, cover factor, relaxation shrinkage, bending, air permeability, pilling, abrasion, drape, strength and elongation.

#### **UNIT-IV**

Fabric Defects: causes, types and remedies; Colour fastness: laundering, perspiration, rubbing, light and pressing.

**Practical:** Fibre testing: length; yarn testing: yarn count, twist, strength; Fabric construction parameters: weight, thickness, thread count; Fabric properties: tensile strength, crease recovery, pilling; Determination of colour fastness: washing, perspiration, rubbing, light, pressing.

#### **Suggested Readings:**

1. Booth, J.E. *Principles of Textile Testing*, CBS publishers & distributors, New Delhi, 1996
2. Grover & Hamby. *Handbook of Textile Testing and Quality Control*, Willy Eastern P. Ltd., New Delhi, 1969
3. Sundaran, V. *Handbook of textile testing*, CTRL Publications, Bombay
4. Padmanabhan AR. *A Practical Guide to Textile Testing*, SITRA, Coimbatore, Prentice Hall. 1988.
5. ISI Handbook of Textile Testing. 1982

#### **Note:**

1. The evaluation of students consists of external evaluation in case of the course of 50 Marks (Theory). For end-term examination, the examiner is required to set nine questions in all. Each question carries equal marks (10 marks). The distribution of marks will be as under: The first question will be compulsory consisting of 5 short-answer questions (2 marks each) covering the entire syllabus. In addition, eight questions will be set unit-wise comprising two questions from each unit. The Student shall be required to attempt five questions in all selecting one question from each unit including the compulsory question.
2. Scheme of Practical: Practical file-10 marks, worksheet-05 marks, Practical class room work-10 marks, viva-voce-05 marks, practical work-20 marks.

**B. Sc. (TEXTILE AND FASHION DESIGN): SEMESTER- VI**  
**BSFT- DSE-602 QUALITY ASSURANCE IN TEXTILE AND APPAREL INDUSTRY**

**DURATION: 3 HOURS**

**MAXIMUM MARKS – 100**  
**(THEORY: 50, PRACTICAL:50)**

**Objective:** The objective of this course is to impart the skills of Quality Assurance in Textile and Apparel Industry.

**UNIT-I**

Quality control : importance , definitions , terminology ; Quality control through physical testing.

**UNIT-II**

Quality control from fabric to garment ; raw material inspection in process inspection , final inspection;

**UNIT-III**

Tools for quality assurance : care labels, international care labeling system ; Quality and its cost in apparel production.

**UNIT-IV**

Apparel performance standards; standards on apparel manufacturing ; Indian , British, ISO and ASTM; tests for non-textile accessories ; statistical quality control.

**Practical:** Study of various types of defects : yarn , fabric and apparels ; defects related to processing and embellishments ; inspection of apparel care labels , contents , dimensions and position.

**Suggested Readings:**

1. Mehta P., *Quality Control in Apparel Industry*, NIFT Pub., New Delhi, 2001
2. Carr H. & LathamB., *The Technology of Clothing Manufacture*, Oxford Pub. USA, 1994.
3. Cooklin G., *Introduction to Clothing Production Management*, Blackwell science, UK ,1998
4. Ruth E.C. *Apparel Manufacturing & Sewn Product Analysis*.
5. Mehta P., *Introduction to Quality Control*, ASCQ quality Press , Marcel Dekker Inc, New York,1992.
6. Mehta P., *Managing Quality in Apparel Industry*, New Age International,1998.

**Note:**

1. The evaluation of students consists of external evaluation in case of the course of 50 Marks (Theory). For end-term examination, the examiner is required to set nine questions in all. Each question carries equal marks (10 marks). The distribution of marks will be as under: The first question will be compulsory consisting of 5 short-answer questions (2 marks each) covering the entire syllabus. In addition, eight questions will be set unit-wise comprising two questions from each unit. The Student shall be required to attempt five questions in all selecting one question from each unit including the compulsory question.
2. Scheme of Practical: Practical file-10 marks, worksheet-05 marks, Practical class room work-10 marks, viva-voce-05 marks, practical work-20 marks.

**B. Sc. (TEXTILE AND FASHION DESIGN): SEMESTER- VI**  
**BSFT- DSE-603 PRODUCT LINE AND PORTFOLIO DEVELOPMENT**

**DURATION: 3 HOURS**

**MAXIMUM MARKS – 100**  
**(THEORY: 50, PRACTICAL:50)**

**Objective:**The objective of this course is to impart knowledge of Portfolio Development.

**UNIT-I**

Product: Concept and importance, Product classifications; Concept of product mix; Branding, packaging and labelling; Product-Support Services; Product life-cycle.

**UNIT-II**

Process of Strategic Product Creation and Innovation; New Product Development Process; Product testing.

**UNIT-III**

Introduction to brand and brand management-brand as a genetic programme, the product and the brand, strategic brand management process, concept of brand equity.

**UNIT-IV**

Designing and implementing brand marketing- using brand elements and brand associations to build equity, brand extension, brand architecture and multi brand portfolios.

**Practical:** Design development for product line for adolescents: selection of theme for product line on basis of fashion forecasting; theme based designing: conceptualization, mood board, designing and construction of garments for selected product line, presentation with spec sheets and cost sheets; portfolio presentation; projection of work through exhibition of fashion shows.

**Suggested Readings:**

1. Bane A. *Creative Clothing Construction*. MC Graw-Hill. 1996
2. Connie Amaden-Crawford. *The Art of fashion Draping*. Fair Child Pub. 1989
3. Janine Mee & Michal Purdy. *Modelling on the Dress Stand*. BSP Professional Books. 1987.
4. Natalie, Bray. *Dress Fitting*. Blackwell. 1994

**Note:**

1. The evaluation of students consists of external evaluation in case of the course of 50 Marks (Theory). For end-term examination, the examiner is required to set nine questions in all. Each question carries equal marks (10 marks). The distribution of marks will be as under: The first question will be compulsory consisting of 5 short-answer questions (2 marks each) covering the entire syllabus. In addition, eight questions will be set unit-wise comprising two questions from each unit. The Student shall be required to attempt five questions in all selecting one question from each unit including the compulsory question.
2. Scheme of Practical: Practical file-10 marks, worksheet-05 marks, Practical class room work-10 marks, viva-voce-05 marks, practical work-20 marks.

**B. Sc. (TEXTILE AND FASHION DESIGN): SEMESTER- VI**  
**BSFT- SEC-601 COMPUTER APPLICATIONS IN FASHION DESIGNING**

**DURATION: 3 HOURS**

**MAXIMUM MARKS – 100**  
**(THEORY:50, PRACTICAL:50)**

**Objective:** The objective of this course is to impart the skills of Computer Aided Design.

**UNIT-I**

Use of Computers for fashion designing; Computer application in various fields of fashion industry.

**UNIT-II**

Selection of Hardware and Software for computer aided fashion designing.

**UNIT-III**

Basics of softwares used for fashion designing; pattern making, grading and marker making softwares.

**UNIT-IV**

Theories of drawing figures; fashion communication through digital techniques.

**Practical:** Motifs collection; design development: symmetrical, asymmetrical, balanced, unbalanced, one way, two way designs; repeat arrangements; design placements; application of motifs on border, pallu and allover; preparation of concept board, client/customer board, color card and texture effects, logo design: label, tags etc. used in ready to wear apparel; application and modification of scanned images using softwares to create new designs for specific end uses; drawing croquis of men, women and children of different age groups; designing and dressing them for the casual wear, party wear, nightwear, sports wear, office wear/formal wear; preparation of portfolio of developed designs.

**Suggested Readings:**

1. Winfred, Aldrich. *CAD in Clothing & Textiles*, Blackwell science, 1994
2. Annual World. *Computers in the world of textiles*, Textile Institute, UK, 1984
3. Chase R.W., *CAD for Fashion Design*. Prentice Hall. 1997

**Note:**

1. The evaluation of students consists of external evaluation in case of the course of 50 Marks (Theory). For end-term examination, the examiner is required to set nine questions in all. Each question carries equal marks (10 marks). The distribution of marks will be as under: The first question will be compulsory consisting of 5 short-answer questions (2 marks each) covering the entire syllabus. In addition, eight questions will be set unit-wise comprising two questions from each unit. The Student shall be required to attempt five questions in all selecting one question from each unit including the compulsory question.
2. Scheme of Practical: Practical file-10 marks, worksheet-05 marks, Practical class room work-10 marks, viva-voce-05 marks, practical work-20 marks.

**B. SC. (TEXTILE AND FASHION DESIGN): SEMESTER I**  
**BSFT-OE-101: FUNDAMENTALS OF DESIGN**

**DURATION: 3 HOURS**

**MAXIMUM MARK: 100**  
**(EXTERNAL: 70, INTERNAL: 30)**

**Objective:** The objective of this course is to help the students to acquire conceptual knowledge of fundamentals of design.

**UNIT I**

Definition of design Elements of Design-dots, lines, shapes, prints, checks, rendering, effects

**UNIT II**

Principles of design – Repetition, Gradation, Radiation, Dominance, and Contrast balance proportion emphasis rhythm, Unity and harmony. Sources of inspiration; types theme based designing inspirational innovations.

**UNIT III**

The colour its uses and effects, colour schemes- Warm, Cool, Hue, Value, Intensity, Complementary, analogous, tints tones and shades.

**UNIT IV**

Selection of suitable clothing and design, factors affecting selection of clothing, Clothing of different age groups.

**Suggested Readings:**

1. Gupta S., Garg N. and Saini R., *Clothing Textile and Laundry*.
2. Sodhia M., *Design Studies*, Kalyani Publishers.
3. Farem S. and Hudson T., *Fashion design course*
4. Lewis T., *Ultimate guide to become a designer*

**Note:**

1. The evaluation of students consists of both internal and external evaluation. Internal evaluation includes mid-term examination (20 marks) covering two units of the syllabus, an assignment (05 marks) and class attendance (05 marks). The external evaluation includes end-term examination of 70 marks covering the whole syllabus.
2. For end-term examination, the examiner is required to set nine questions in all. Each question carries equal marks (14 marks). The distribution of marks will be as under: The first question will be compulsory consisting of 7 short-answer questions (2 marks each) covering the entire syllabus. In addition, eight questions will be set unit-wise comprising two questions from each unit.
3. The student shall be required to attempt five questions in all selecting one question from each unit including the compulsory question.

**B. Sc. (TEXTILE AND FASHION DESIGN): SEMESTER II**  
**BSFT-OE-201: FASHION DYNAMICS**

**DURATION: 3 HOURS**

**MAXIMUM MARKS: 100**  
**(EXTERNAL: 70, INTERNAL: 30)**

**Objective:** The objective of this course is to help the students to acquire conceptual knowledge about dynamics of fashion.

**UNIT I**

Fashion: Definitions, origin, evolution, importance, terminology. Fashion and silhouette, fashion characteristics, factors effecting fashion movements.

**UNIT II**

Components of Fashion: Tangible and Intangible. Fashion cycle; Stages, cycle length and broken fashion cycle. Theories of fashion adoption. Principles of fashion. Fashion trends and analysis.

**UNIT III**

Fashion forecasting: meaning, indicators used for prediction, sources of forecasting, driving forces of fashion.

**UNIT IV**

Role of fashion designers and institutes for development of fashion industry. Study of creation of leading Indian fashion designers. Career in fashion industry.

**Suggested readings:**

1. Diamond, J and Pinter, G. *Retail Buying*, Prentice Hall of India Pvt. Ltd., New Delhi. 1997
2. Donnellan, J., *Merchandise Buying and Management*. Fairchild Publications, New York. 1999
3. Greenwood, K.M. and Murphy, M.F., *Fashion Innovation and Marketing*. Macmillan Publishing Co. Inc., New York. 1978

**Note:**

1. The evaluation of students consists of both internal and external evaluation. Internal evaluation includes mid-term examination (20 marks) covering two units of the syllabus, an assignment (05 marks) and class attendance (05 marks). The external evaluation includes end-term examination of 70 marks covering the whole syllabus.
2. For end-term examination, the examiner is required to set nine questions in all. Each question carries equal marks (14 marks). The distribution of marks will be as under: The first question will be compulsory consisting of 7 short-answer questions (2 marks each) covering the entire syllabus. In addition, eight questions will be set unit-wise comprising two questions from each unit.
3. The student shall be required to attempt five questions in all selecting one question from each unit including the compulsory question.

**B. Sc. (TEXTILE AND FASHION DESIGN): SEMESTER-III**  
**BSFT- OE-301 APPRECIATION OF FASHION ART AND DESIGN**

**DURATION: 3HOURS**

**MAXIMUM MARKS:100**  
**(EXTERNAL: 70, INTERNAL: 30)**

**Objective:-** The objective of this course is to help the students to acquire conceptual knowledge about technical skills to create varieties of clothing and hours, marriage functions, sports, uniforms for civil services, airhostess, hoteliers, schools going girls and boys etc.

**UNIT-I**

Terms related to the Fashion Industry-Fashion, Style, Fad, Classic and Collection, Mannequin, fashion show, trend, forecasting, high fashion, haute culture, fashion director, fashion editor, buying house, apparel, fashion merchandising.

**UNIT-II**

Colour- definition, colour theories- Prang colour chart, Standard colour harmonic application in dress design, Colour mediums:- water colours, poster colours, water soluble colours, steddlers , oil colours, ink colours, ceramic colours.

**UNIT-III**

Design- Definition and types Structural and decorative design, requirement of a good structural and decorative design. Application of structural and decorative design in a dress, selection and application of trimmings and decorations.

**UNIT-IV**

Designing of dress based on figure types- colour combination , various garment to create optical illusions. Clothing and personality :- Clothing and attitude , Clothing and motivation, grooming.

**Suggested Readings:**

1. Ginistephersfrings, *Fashion- From concept to consumer*- 6<sup>th</sup> edition, Prentice Hall(1999)
2. Benneet, *Inside the fashion Business*, Coleman and co Mumbai (1998)
3. Horriet T, Jimsey MC, *Art and fashion in clothing selection*, Thelawa state university press ames, lawa(1973)
4. Heannette A Jarnowet, *Inside the fashion business* –Macmilan publishing company New York.
5. Jimsey MC and Harriet, *Art and fashion in clothing selection*- Lawa state university press, lawa

**Note:**

1. The evaluation of students consists of both internal and external evaluation. Internal evaluation includes mid-term examination (20 marks) covering two units of the syllabus, an assignment (05 marks) and class attendance (05 marks). The external evaluation includes end-term examination of 70 marks covering the whole syllabus.
2. For end-term examination, the examiner is required to set nine questions in all. Each question carries equal marks (14 marks). The distribution of marks will be as under: The first question will be compulsory consisting of 7 short-answer questions (2 marks each) covering the entire syllabus. In addition, eight questions will be set unit-wise comprising two questions from each unit.
3. The student shall be required to attempt five questions in all selecting one question from each unit including the compulsory question.



**B. SC. (TEXTILE AND FASHION DESIGN): SEMESTER-IV**  
**BSFT- OE-401 APPAREL APPRECIATION**

**DURATION: 3HOURS**

**MAXIMUM MARKS:100**

**(EXTERNAL: 70, INTERNAL: 30)**

**Objective:-** It is helpful for the students to improve the visual consciousness and the skill of innovative designing.

**UNIT-I**

Clothing : Origin , theories , Functions and Modern Philosophy, Definition of visualization; importance of visual designing , terminology of visual designing, merits and demerits

**UNIT-II**

Clothing Communication: First impression , individual value, attitude, interest personal communication, personal expression, Visual experience of elements, objects and design, Visual composition in designing, Aspects of visual experience.

**UNIT-III**

Clothes and personality ; psychological and sociological influence of clothing; Focus on colour, Colour visualization, Colour mixing, effect of colour; red, yellow ,blue ,green, violet, orange, white and black

**UNIT-IV**

Clothing culture and communication based on liberal , social , democrat , customs and traditions , religion , beliefs , marital status and occupation, Enhancing eye, hand co-ordination, blind drawing focus on drawing, Gestures for visualization.

**Suggested Readings:**

1. Wilson K., *The Artists Everything Handbook*, Harper Design(2015)
2. Fontana B. E., *Drawing on the right side of the brain*-Tarcher, 4<sup>th</sup> Edition No. 2012.

**Note:**

1. The evaluation of students consists of both internal and external evaluation. Internal evaluation includes mid-term examination (20 marks) covering two units of the syllabus, an assignment (05 marks) and class attendance (05 marks). The external evaluation includes end-term examination of 70 marks covering the whole syllabus.
2. For end-term examination, the examiner is required to set nine questions in all. Each question carries equal marks (14 marks). The distribution of marks will be as under: The first question will be compulsory consisting of 7 short-answer questions (2 marks each) covering the entire syllabus. In addition, eight questions will be set unit-wise comprising two questions from each unit.
3. The student shall be required to attempt five questions in all selecting one question from each unit including the compulsory question.

**B. SC. (TEXTILE AND FASHION DESIGN): SEMESTER-V**  
**BSFT-OE-501 FASHION MARKETING**

**DURATION: 3 HOURS**

**MAXIMUM MARKS:100**

**(EXTERNAL: 70, INTERNAL: 30)**

**Objective:** The objective of this course is to guide the students to maintain good relationship in marketing. It is also helpful for the students to acquire the knowledge of marketing and merchandising.

**UNIT-I**

Introduction to fashion marketing, The impact of fashion product, price, distribution and placement.

**UNIT-II**

Introduction to advertisement: advantages of advertisement, principles of advertisement  
Public relations , Promotions and Advertising. Fashion and entertainment industry.

**UNIT- III**

The buying season : Marketing fashion to retailers. Targeting the fashion consumer.

**UNIT- IV**

Global fashion : Introduction , Analyze the importance of marketing fashion globally.

**Suggested Readings:**

1. Sodhia M., *Marketing and merchandising*
2. Doris H. Kincade, *Merchandising of fashion products*
3. Clark, *Fashion Merchandising*

**Note:**

1. The evaluation of students consists of both internal and external evaluation. Internal evaluation includes mid-term examination (20 marks) covering two units of the syllabus, an assignment (05 marks) and class attendance (05 marks). The external evaluation includes end-term examination of 70 marks covering the whole syllabus.
2. For end-term examination, the examiner is required to set nine questions in all. Each question carries equal marks (14 marks). The distribution of marks will be as under: The first question will be compulsory consisting of 7 short-answer questions (2 marks each) covering the entire syllabus. In addition, eight questions will be set unit-wise comprising two questions from each unit.
3. The student shall be required to attempt five questions in all selecting one question from each unit including the compulsory question.

**B. Sc. (TEXTILE AND FASHION DESIGN): SEMESTER- VI**  
**BSFT- OE-601 QUALITY CONTROL AND QUALITY ASSURANCE**

**DURATION: 3 HOURS**

**MAXIMUM MARKS – 100**  
**(EXTERNAL: 70, INTERNAL: 30)**

**Objective:** The objective of this course is to impart the skills of Quality Assurance in Textile and Apparel Industry.

**UNIT-I**

Quality control : importance , definitions , terminology ; Quality control through physical testing.

**UNIT-II**

Quality control from fabric to garment ; raw material inspection in process inspection , final inspection;

**UNIT-III**

Tools for quality assurance : care labels, international care labeling system ; Quality and its cost in apparel production.

**UNIT-IV**

Apparel performance standards; standards on apparel manufacturing ; Indian , British, ISO and ASTM; tests for non-textile accessories ; statistical quality control.

**Suggested Readings:**

1. Mehta P., *Quality Control in Apparel Industry*, NIFT Pub., New Delhi, 2001
2. Carr H. & Latham B., *The Technology of Clothing Manufacture*, Oxford Pub. USA, 1994.
3. Cooklin G., *Introduction to Clothing Production Management*, Blackwell science, UK ,1998
4. Ruth E.C. *Apparel Manufacturing & Sewn Product Analysis*.
5. Mehta P., *Introduction to Quality Control*, ASCQ quality Press , Marcel Dekker Inc, New York,1992.
6. Mehta P., *Managing Quality in Apparel Industry*, New Age International,1998.

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