

FACULTY OF SCIENCES

SYLLABUS

FOR

B.Sc. FASHION DESIGNING

(SEMESTER: I - VI)

Examinations: 2016-17



GURU NANAK DEV UNIVERSITY AMRITSAR

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B.Sc. Fashion Designing (Semester System)

Scheme of Studies and Examination**Semester-I**

Paper	Subject	Theory Marks	Duration	Practical	Duration	Total
I	Basic of Design and Illustration	50	3 Hrs.	50	3 Hrs.	100
II	Concept of Fashion	50	3 Hrs.	-	-	50
III	Basics of Sewing-I	50	3Hrs.	50	4 Hrs.	100
IV	Basics of Computers	50	3 Hrs.	50	3 Hrs.	100
V	Textile Chemistry – I	60	3 Hrs.	40	3 Hrs.	100
VI	Communication Skills in English	50	3 Hrs.	-	-	50
VII	Punjabi (Compulsory) / ਮੁੱਢਲੀ ਪੰਜਾਬੀ (Mudhli Punjabi)	50	3 Hrs.	-	-	50
					Total	550

B.Sc. Fashion Designing (Semester System)

Semester-II

Paper	Subject	Theory Marks	Duration	Practical	Duration	Total
I	Traditional Textiles	50	3 Hrs.	25	3 Hrs.	75
II	Fabric Construction	50	3 Hrs.	25	3 Hrs.	75
III	Basics of Sewing-II	50	3 Hrs.	50	4 Hrs	100
IV	Basics of Computers	-	-	50	3 Hrs	50
V	Communication Skills in English	35	3 Hrs.	15	-	50
VI	Punjabi (Compulsory)/ ਮੁੱਢਲੀ ਪੰਜਾਬੀ (Mudhli Punjabi)	50	3 Hrs.	-	-	50
VII	Industrial Visits at least two units and submission of report=20 Seminar on any topic from theory course=30 considered as External Examination (Practical) (20+30)	-	-	50	-	50
					Total	450

B.Sc. Fashion Designing (Semester System)

Semester-III

Paper	Subject	Theory Marks	Duration	Practical	Duration	Total
I	Fashion Design and Illustration	-	-	50	3 Hrs.	50
II	Textile Chemistry-II	50	3 Hrs.	50	3 Hrs.	100
III	Pattern Making & Garment Construction	50	3 Hrs.	100	4 Hrs.	150
IV	Needle Craft	-	-	100	3Hrs.	100
V	Knitting & Leather Technology	60	3 Hrs.	40	3 Hrs.	100
VI	* Environmental Studies-I	50	3 Hrs.	-	-	50
					Total	500

***This Paper Marks will not be included in the total marks.**

B.Sc. Fashion Designing (Semester System)

Semester-IV

Paper	Subject	Theory Marks	Duration	Practical	Duration	Total
I	Fashion Design and Illustration (CAD)	-	-	100	3 Hrs.	100
II	History of Costumes	50	3 Hrs.	50	3 Hrs.	100
III	Garment Construction & Draping	50	3 Hrs.	100	4 Hrs.	150
IV	Fashion Illustration & Appreciation	-	-	50	3 Hrs.	50
V	Pattern and Marker Making on Computer	-	-	100	3 Hrs.	100
VI	*Environmental Studies-II	50	3 Hrs.	-	-	50
					Total	500

***This Paper Marks will not be included in the total marks.**

Semester– V

Paper	Subject	Theory Marks	Duration	Practical	Duration	Total
I	Fashion Illustration and Appreciation	-	-	100	4 Hrs.	100
II	Draping, Pattern Making and Construction	-	-	150	4 Hrs	150
III	CAD(Computer Aided Design)	-	-	75	3 Hrs	75
IV	Internship for Design and Construction of garments	-	-	75	-	75
V	Knitting & Leather Technology	100	3 Hrs.	-	-	100
					Total	500

B.Sc. Fashion Designing (Semester System)

Semester– VI

Paper	Subject	Theory Marks	Duration	Practical	Duration	Total
I	Fashion Illustration and Appreciation	-	-	100	4 Hrs.	100
II	Pattern Making and Construction	-	-	150	4 Hrs.	150
III	Computer Aided Design	-	-	75	3 Hrs	75
IV	Survey and Project Report	-	-	100	3 Hrs	100
V	Fashion industry, Marketing and Management	75	3Hrs	-	-	75
					TOTAL	500

**I. BASIC OF DESIGN AND ILLUSTRATION
(Theory)****Time: 3 Hrs****Total Period: (3+6) Per Week****Max. Marks: 100****Theory: 50****Practical: 50****Instructions for the Examiners/Paper Setters:**

Each question paper of theory will consist of eight questions and a candidate has to attempt five out of these. Each question will be of 10 marks.

OBJECTIVES:

To help students to understand design fundamental, elements and principles of design.

To enable students to gain knowledge of figure sketching and drawing.

To understand the fashion design concepts, illustration techniques and colour theories.

THEORY:

- Introduction to art media and its application, different art media like pencils, pencil colours, crayons, poster colours, erasers, acrylic rendering and shading skills.
- Elements of art and design - line, form, shape, space, size, textures and colour.
- Principles of design-Harmony, Balance, Rhythm, Proportion, Emphasis.
- Colour - dimensions of colour (hue, value, and intensity), colour schemes, their importance and applications.
- Design - definition and types.
- Introduction and brief history of fashion illustration.

I. BASIC OF DESIGN AND ILLUSTRATION**(Practical)****Time: 3 Hrs****Marks: 50**

- Introduction to art media and its application.
- The basic drawing and rendering of equipments using, pencils, crayons, poster and acrylic colours etc.
- Introduction to basic sketching techniques.
- Free hand sketching of day to day objects - flowers, flowerpots, leaves, barks, scenery (natural), houses, basic geometrical figures composed into interesting composition by combining different shapes (geometric) and all other kinds of drawings (abstract).
- Colour-Preparation of colour wheel, grey scales, colour schemes and tints and shades.
- Figure stylization - Basic croquets, division of the body to make the 8 head figure, 10 head figure, 12 head figure, Fleshing out body.
- Figure in motion - Geometrical blocks to make different postures, Segregate into postures as normal standing, walking, running and sitting and fleshing of croquis.

**II. CONCEPT OF FASHION
(Theory)****Time: 3 Hrs****Total Periods: (6+0) Per Week****Max. Marks: 50****Instructions for the Examiners/Paper Setters:**

Each question paper of theory will consist of eight questions and a candidate has to attempt five out of these. Each question will be of 10 marks.

OBJECTIVES:

To create awareness about clothing culture.

To impart knowledge of clothing communication and fashion expression.

THEORY:

- Fashion Terminology - fashion, style, change, fashion cycles, fad, classic, boutique, croquie, fashion trends, haute couture, designer, prêt-a-porter, and silhouette.
- Fashion - Definition, importance, factors affecting fashion and difference of fashion and anti-fashion.
- Fashion - origin, evolution, cycles, lengths and breaks of fashion cycle.
- Fashion theories - trickle down, trickle across and bottom up theory.
- Fashion psychology - first impression, role of social and psychological aspect of clothing.
- Sociological choice of clothing as affected by nationality, tradition, class consciousness, occupation etc.

III. BASICS OF SEWING - I
(Theory)**Total Periods: (3+6) Per Week****Time: 3 Hrs****Max. Marks: 100****Theory: 50****Practical: 50****Instructions for the Examiners/Paper Setters:**

Each question paper of theory will consist of eight questions and a candidate has to attempt five out of these. Each question will be of 10 marks.

OBJECTIVES:

To impart knowledge of machines used for sewing.

THEORY:

- Introduction to sewing history of sewing machines
- Sewing Machine - Different type of sewing machines, maintenance of sewing machines, common problems and their remedies, tools and equipments
- Sewing techniques(Basic hand stitches) – Basting, running, tacking, hand overcast, hemming stitches(plain and blind), slip stitches, tailor, tack
- Seam and seam finishes – Definition, types of seams, finish and their applications.
- Fullness – Darts, tucks, pleats, gathers (definition, types and their applications)
- Different type of pockets
- Fasteners – Definition, types and present trends
- Finishes – Neckline (binding, facing)
- Plackets – Definition and types

III. BASICS OF SEWING - I
(Practical)**Time: 4 Hrs****Marks: 50**

- Introduction to different parts of sewing machine and their care and maintenance
- Basic hand stitches
- Seams and seam finishes – Plain, flat, run and fell, French, counter hem, mantua maker, over lock, hand over cast, turned and stitched, binding
- Fullness – Darts, tucks, pleats, gathers
- Neckline Finishes
- Plackets – continuous, two piece placket, extended bodice trimmings
- Pockets – Patch, welt, inseam, bound, flap, kurta

**IV: BASIC OF COMPUTERS
(Theory)****Time: 3 Hrs****Total Periods: (3+6) Per Week****Max. Marks: 100****Theory: 50****Practical: 50****Instructions for the Examiners/Paper Setters:**

Each question paper of theory will consist of eight questions and a candidate has to attempt five out of these. Each question will be of 10 marks.

THEORY:

1. Introduction to Computer, Data Processing, Concept of data and information, Classification of computer.
2. Computer Hardware-Central Processing Unit, Main Memory, Secondary Memory, I/O device.
3. General concept of Ms Word: Word Processing, Formatting, editing, Spell-grammar check, Mail Merge, Printing and saving.
4. Computer applications in various fields of fashion Industry.

IV: BASIC OF COMPUTERS

(Practical)

Time: 3 Hrs

Marks: 50

1. Introduction to Ms Word.

**V. TEXTILE CHEMISTRY-I
(Theory)****Time: 3 Hrs****Total Periods: (6+3) Per Week****Max. Marks: 100****Theory: 60****Practical: 40****Instructions for the Examiners/Paper Setters:**

Each question paper of theory will consist of eight questions and a candidate has to attempt six out of these. Each question will be of 10 marks.

OBJECTIVES:

To impart the knowledge of fibre, sources of fibres, their definitions and properties. To provide students with knowledge of yarn science and yarn properties.

THEORY:

- Textile Terminology – Fibre, yarn, elasticity, absorbency, resiliency, drapability, twist, blend
- Introduction to textile fibres and their classification based on source and origin
- Manufacturing process and the properties of different fibres - Cotton, linen, wool, silk, viscose rayon, acetate rayon, nylon, polyester
- Application of these fibres with respect to end uses,
- Introduction to Yarn and Manufacturing process (different spinning process of yarn)
- Types and uses of yarn – Simple yarn, fancy yarns, textured yarns
- Yarn properties – Linear density, size, twist, twist direction, strength and uniformity

V. TEXTILE CHEMISTRY-I

(Practical)

Time: 3 Hrs

Marks: 40

- Microscopic appearance, burning test and solubility test for different fibres
- Visual identification of spun, filaments, cords, cable and fancy yarns
- Collection of different types of yarns.

VI: COMMUNICATION SKILLS IN ENGLISH-I**Time: 3 Hours****Max. Marks: 50****Course Contents:**

1. Reading Skills: Reading Tactics and strategies; Reading purposes–kinds of purposes and associated comprehension; Reading for direct meanings; Reading for understanding concepts, details, coherence, logical progression and meanings of phrases/ expressions.

Activities:

- a) Active reading of passages on general topics
- b) Comprehension questions in multiple choice format
- c) Short comprehension questions based on content and development of ideas

2. Writing Skills: Guidelines for effective writing; writing styles for application, resume, personal letter, official/ business letter, memo, notices etc.; outline and revision.

Activities:

- a) Formatting personal and business letters.
- b) Organising the details in a sequential order
- c) Converting a biographical note into a sequenced resume or vice-versa
- d) Ordering and sub-dividing the contents while making notes.
- e) Writing notices for circulation/ boards

Suggested Pattern of Question Paper:

The question paper will consist of five skill-oriented questions from Reading and Writing Skills. Each question will carry 10 marks. The questions shall be phrased in a manner that students know clearly what is expected of them. There will be internal choice wherever possible.

10x5=50 Marks

- i) Multiple choice questions on the language and meanings of an unseen passage.
- ii) Comprehension questions with short answers on content, progression of ideas, purpose of writing etc. of an unseen passage.
- iii) Personal letter and Official/Business correspondence
- iv) Making point-wise notes on a given speech/ technical report OR
Writing notices for public circulation on topics of professional interest
- v) Do as directed (10x1= 10 Marks) (change of voice, narration, combination of 2 simple sentences into one, subject-verb agreement, using appropriate tense, forms of verbs.

Recommended Books:

1. *Oxford Guide to Effective Writing and Speaking* by John Seely.
2. *English Grammar in Use* (Fourth Edition) by Raymond Murphy, CUP

VII: Punjabi (Compulsory) ਪੰਜਾਬੀ (ਲਾਜ਼ਮੀ)

ਸਮਾਂ : 3 ਘੰਟੇ

ਕੁਲ ਅੰਕ : 50

ਪਾਠ-ਕ੍ਰਮ ਅਤੇ ਪਾਠ-ਪੁਸਤਕਾਂ

1. **ਗਿਆਨ ਮਾਲਾ** (ਵਿਗਿਆਨਕ ਤੇ ਸਮਾਜ-ਵਿਗਿਆਨਕ ਲੇਖਾਂ ਦਾ ਸੰਗ੍ਰਹਿ),
(ਸੰਪਾ. ਡਾ. ਸਤਿੰਦਰ ਸਿੰਘ, ਪ੍ਰੋ. ਮਹਿੰਦਰ ਸਿੰਘ ਬਨਵੈਤ), ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਯੂਨੀਵਰਸਿਟੀ,
ਅੰਮ੍ਰਿਤਸਰ।
ਲੇਖ : ਪਹੀਆ ਪ੍ਰਦੂਸ਼ਣ, ਭਰੂਣ ਹੱਤਿਆ ਦੇ ਦੇਸ਼ ਵਿਚ, ਨਾਰੀ ਸ਼ਕਤੀ, ਵਾਤਾਵਰਣੀ ਪ੍ਰਦੂਸ਼ਣ
ਅਤੇ ਮਨੁੱਖ, ਏਡਜ਼ : ਇਕ ਗੰਭੀਰ ਸੰਕਟ।
2. **ਆਤਮ ਅਨਾਤਮ** (ਸੰਪ. ਸੁਹਿੰਦਰ ਬੀਰ ਅਤੇ ਵਰਿਆਮ ਸਿੰਘ ਸੰਧੂ)
(ਪ੍ਰੋ. ਮੋਹਨ ਸਿੰਘ, ਅੰਮ੍ਰਿਤਾ ਪ੍ਰੀਤਮ, ਸ਼ਿਵ ਕੁਮਾਰ ਬਟਾਲਵੀ, ਸੁਰਜੀਤ ਪਾਤਰ, ਪਾਸ਼)
ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਯੂਨੀਵਰਸਿਟੀ, ਅੰਮ੍ਰਿਤਸਰ।
3. **ਪੈਰਾ ਰਚਨਾ**
4. **ਪੈਰਾ ਪੜ੍ਹ ਕੇ ਪ੍ਰਸ਼ਨਾਂ ਦੇ ਉੱਤਰ।**
5. (ੳ) **ਪੰਜਾਬੀ ਧੁਨੀ ਵਿਉਂਤ** : ਉਚਾਰਨ ਅੰਗ, ਉਚਾਰਨ ਸਥਾਨ ਤੇ ਵਿਧੀਆਂ, ਸਵਰ, ਵਿਅੰਜਨ, ਸੁਰ।
(ਅ) **ਭਾਸ਼ਾ ਵੰਨਗੀਆਂ** : ਭਾਸ਼ਾ ਦਾ ਟਕਸਾਲੀ ਰੂਪ, ਭਾਸ਼ਾ ਅਤੇ ਉਪ-ਭਾਸ਼ਾ ਦਾ ਅੰਤਰ, ਪੰਜਾਬੀ
ਉਪਭਾਸ਼ਾਵਾਂ ਦੇ ਪਛਾਣ-ਚਿੰਨ੍ਹ।
6. **ਮਾਤ ਭਾਸ਼ਾ ਦਾ ਅਧਿਆਪਨ**
(ੳ) ਪਹਿਲੀ ਭਾਸ਼ਾ ਦੇ ਤੌਰ ਉੱਤੇ
(ਅ) ਦੂਜੀ ਭਾਸ਼ਾ ਦੇ ਤੌਰ ਉੱਤੇ

ਅੰਕ-ਵੰਡ ਅਤੇ ਪਰੀਖਿਅਕ ਲਈ ਹਦਾਇਤਾਂ:

1. ਕਿਸੇ ਨਿਬੰਧ ਦਾ ਸਾਰ ਜਾਂ ਉਸਦਾ ਵਿਸ਼ਾ ਵਸਤੂ (ਦੋ ਵਿਚੋਂ ਇਕ) । 10 ਅੰਕ
2. **ਆਤਮ ਅਨਾਤਮ** : ਸਾਰ, ਵਿਸ਼ਾ-ਵਸਤੂ, ਪ੍ਰਸੰਗ ਸਹਿਤ ਵਿਆਖਿਆ, ਕਲਾ ਪੱਖ 10 ਅੰਕ
3. ਪੈਰ੍ਹਾ ਰਚਨਾ : ਤਿੰਨ ਵਿਸ਼ਿਆਂ ਵਿਚੋਂ ਕਿਸੇ ਇਕ ਉਤੇ ਪੈਰ੍ਹਾ ਲਿਖਣ ਲਈ 05 ਅੰਕ
ਕਿਹਾ ਜਾਵੇ ।
4. ਪੈਰ੍ਹਾ ਦੇ ਕੇ ਉਸ ਬਾਰੇ ਪੰਜ ਪ੍ਰਸ਼ਨਾਂ ਦੇ ਉੱਤਰ। 05 ਅੰਕ
5. ਨੰਬਰ 5 ਉਤੇ ਦਿੱਤੀ ਵਿਆਕਰਣ ਦੇ ਆਧਾਰ 'ਤੇ ਵਰਣਨਾਤਮਕ ਪ੍ਰਸ਼ਨ। 10 ਅੰਕ
6. ਨੰਬਰ 6 ਵਿਚ ਮਾਤ ਭਾਸ਼ਾ ਦੇ ਪਹਿਲੀ ਭਾਸ਼ਾ ਅਤੇ ਦੂਜੀ ਭਾਸ਼ਾ ਵਜੋਂ 5×2=10 ਅੰਕ
ਅਧਿਆਪਨ, ਮਹੱਤਵ ਅਤੇ ਸਮੱਸਿਆਵਾਂ ਬਾਰੇ ਚਾਰ ਪ੍ਰਸ਼ਨ ਪੁੱਛੇ ਜਾਣਗੇ,
ਜਿਨ੍ਹਾਂ ਵਿਚੋਂ ਵਿਦਿਆਰਥੀ ਨੇ ਦੋ ਦਾ ਉੱਤਰ ਦੇਣਾ ਹੋਵੇਗਾ।

VII: Mudhli Punjabi
ਮੁੱਢਲੀ ਪੰਜਾਬੀ
(In lieu of Compulsory Punjabi)

ਪਾਠ-ਕ੍ਰਮ

ਸਮਾਂ : 3 ਘੰਟੇ

ਕੁਲ ਅੰਕ: 50

ਪਾਠ-ਕ੍ਰਮ

1. ਪੈਂਤੀ ਅੱਖਰੀ; ਪੈਰ ਬਿੰਦੀ ਵਾਲੇ ਵਰਣ ਅਤੇ ਪੈਰ ਵਿਚ ਪੈਣ ਵਾਲੇ ਵਰਣ, ਲਗਾਂ ਮਾਤਰਾਂ
2. ਲਗਾਖਰ (ਬਿੰਦੀ, ਟਿੱਪੀ, ਅੱਧਕ)
3. (ੳ) ਵਿਸ਼ਰਾਮ ਚਿੰਨ੍ਹਾਂ ਦੀ ਵਰਤੋਂ,
(ਅ) ਨਾਂਵ, ਪੜਨਾਂਵ, ਕਿਰਿਆ, ਵਿਸ਼ੇਸ਼ਣ, ਲਿੰਗ ਅਤੇ ਵਚਨ

ਅੰਕ ਵੰਡ ਤੇ ਪੇਪਰ ਸੈਟਰ ਲਈ ਹਦਾਇਤਾਂ

1. ਪੈਂਤੀ ਅੱਖਰੀ ਦੀ ਬਣਤਰ ਅਤੇ ਤਰਤੀਬ ਨਾਲ ਸੰਬੰਧਿਤ ਪ੍ਰਸ਼ਨ। 10 ਅੰਕ
(ਦੋ ਪ੍ਰਸ਼ਨਾਂ ਵਿੱਚੋਂ ਇੱਕ ਕਰਨਾ ਹੋਵੇਗਾ)
ਕਵਰਗ, ਚਵਰਗ, ਤਵਰਗ, ਟਵਰਗ ਆਦਿ ਸੰਬੰਧੀ ਪ੍ਰਸ਼ਨ ਪੁੱਛਿਆ ਜਾ ਸਕਦਾ ਹੈ। ਪੈਰ ਵਿਚ ਪੈਣ ਵਾਲੇ ਵਰਣ ਅਤੇ ਲਗਾਂ ਮਾਤਰਾਂ ਦੀ ਵਰਤੋਂ ਨਾਲ ਸੰਬੰਧਿਤ ਪ੍ਰਸ਼ਨ (ਦੋ ਵਿੱਚੋਂ ਇੱਕ ਕਰਨਾ ਹੋਵੇਗਾ) 10 ਅੰਕ
2. ਬਿੰਦੀ, ਟਿੱਪੀ ਅਤੇ ਅੱਧਕ ਦੀ ਵਰਤੋਂ ਸੰਬੰਧੀ ਪ੍ਰਸ਼ਨ 10 ਅੰਕ
3. (ੳ) ਵਿਸ਼ਰਾਮ ਚਿੰਨ੍ਹਾਂ ਦੀ ਵਰਤੋਂ ਸੰਬੰਧੀ ਪ੍ਰਸ਼ਨ 10 ਅੰਕ
(ਅ) ਨਾਂਵ ਪੜਨਾਂਵ, ਕਿਰਿਆ, ਵਿਸ਼ੇਸ਼ਣ ਅਤੇ ਲਿੰਗ ਵਚਨ ਸੰਬੰਧੀ ਮੁੱਢਲੀ ਕਿਸਮ ਦੇ ਪ੍ਰਸ਼ਨ (ਦੋ ਵਿੱਚੋਂ ਇੱਕ ਕਰਨਾ ਹੋਵੇਗਾ) 10 ਅੰਕ

**I. TRADITIONAL TEXTILES
(Theory)****Time: 3 Hrs****Total Periods: (6+6) Per Week****Max. Marks: 75****Theory: 50****Practical: 25****Instructions for the Examiners/Paper Setters:**

Each question paper of theory will consist of eight questions and a candidate has to attempt five out of these. Each question will be of 10 marks.

OBJECTIVES:

To impart knowledge of traditional design and motifs of textiles.

To introduce applications of these motifs on the different textiles.

THEORY:

- Floor coverings – Carpets and Durries
- Coloured Textiles – Bandhani, Patola, Ikkat.
- Woven Textiles – Brocades, Chanderi, Maheshwari, Kanjivaram, Baluchari
- Printed Textiles – Sanganeri
- Painted Textiles – Kalamkari
- Study of following traditional embroideries– Introduction, types, their traditional influences, symbolism, basic fabrics, decorative stitches, techniques and their colour combinations:–
 - Kutch
 - Phulkari
 - Kantha
 - Kasuti
 - Chamba Rumal
 - Kashida
 - Chikankari

**I. TRADITIONAL TEXTILES
(Practical)****Time: 3 Hrs****Marks: 25**

Sample making of following traditional embroideries

- Kutch of Gujarat
- Phulkari of Punjab
- Kantha of Bengal
- Kasuti of Karnataka
- Kashida of Kashmir
- Chikankari of Uttar Pradesh

**II. FABRIC CONSTRUCTION
(Theory)****Time: 3 Hrs****Total Periods: (9+3) Per Week****Max. Marks: 75****Theory: 50****Practical: 25****Instructions for the Examiners/Paper Setters:**

Each question paper of theory will consist of eight questions and a candidate has to attempt five out of these. Each question will be of 10 marks.

OBJECTIVES:

To impart knowledge of fabric manufacture and fabric properties.

To enable students to understand fabric structures and to analyse them.

THEORY:

- Different methods of fabric construction
- Loom – Definition, Principle, Parts, Types (shuttle and shuttle less looms) and Operations
- Weaving – Definition, Principle, Types (Basic and Novelty/Fancy Weaves)
- Basic Weaves – Plain weave, Twill weave and Satin weave, their variations and types
Novelty/Fancy Weave – Pile weave and its types, Double cloth weave, Leno and Gauge weave, Jacquard weave, Dobby weave and its types, Swivel Weave, Lappet weave and creep weave
- Knitting – Definition and Techniques (Warp, Weft and their types)
- Felting – Definition, Manufacturing Process, Types, Properties and Uses
- Bonding – Definition, Manufacturing Process, Properties and Uses

**II. FABRIC CONSTRUCTION
(Practical)**

Time: 3 Hrs

Marks: 25

- Sample Making by various weaving techniques for example plain, twill, satin, diamond, pile etc.
- Preparation of one article by using the above mentioned techniques.

**III. BASICS OF SEWING – II
(Theory)****Time: 3 Hrs****Total Periods: (3+6) Per Week****Max. Marks: 100****Theory: 50****Practical: 50****Instructions for the Examiners/Paper Setters:**

Each question paper of theory will consist of eight questions and a candidate has to attempt five out of these. Each question will be of 10 marks.

OBJECTIVES:

To impart knowledge of machines used for sewing.

THEORY:

- Terminology – Notches, grain, grain line, construction lines, centre front and back line, bias, true bias, bust line, waist line, seam line, seams, seam allowances, jog, darts, dart points, direction of dart excess, dart shape at pattern edge
- Anthropometric measurements – Study of all body measurements of all age groups (infants, children, women and men), standards of body measurements, importance, standardization and size chart
- Drafting – Its importance and uses
- Introduction to pattern making and its tools
- Sleeves – Different types of sleeves
- Collars - Different types and styles of collars
- Yokes – Yokes with fullness and without fullness (definition, purpose, their application and construction)
- Trimmings - Different types of trimmings

**III. BASICS OF SEWING – II
(Practical)****Time: 4 Hrs****Marks: 50**

- Construction of sleeves – Puff, raglan, kimono, leg-o-mutton, flared, cap, Magyar, bishop
- Yokes – Yokes with fullness and without fullness
- Construction of collars – Flat and rolled peter pan collar, shawl collar, mandarin collar, wing collar, cape collar, baby collar, sailor collar
- Methods and preparation of basic blocks – Front bodice, back bodice and sleeve

**IV: BASICS OF COMPUTERS
(Practical)****Time: 3 Hrs****Total Periods: 6 Per Week****Marks: 50**

1. Ms PowerPoint: Professional presentation formations, formatting of text/slides views of power point, animations, sound effects.
2. Basic concept of coral draw: Introduction to tools, ruler setting, basic shapes, grouping/ combining, color palettes, effects, curves, opening, closing and saving a file, importing/exporting, printing.
3. Introduction to Adobe Photoshop

V: COMMUNICATION SKILLS IN ENGLISH**Time: 3 Hours****Max. Marks: 50****Theory Marks: 35****Practical Marks: 15****Course Contents:**

- 1. Listening Skills:** Barriers to listening; effective listening skills; feedback skills. Attending telephone calls; note taking.

Activities:

- Listening exercises – Listening to conversation, News and TV reports
- Taking notes on a speech/lecture

- 2. Speaking and Conversational Skills:** Components of a meaningful and easy conversation; understanding the cue and making appropriate responses; forms of polite speech; asking and providing information on general topics.
The study of sounds of English, stress
Situation based Conversation in English
Essentials of Spoken English

Activities:

- Making conversation and taking turns
- Oral description or explanation of a common object, situation or concept
- Giving interviews

Suggested Pattern of Question Paper:

The question paper will consist of seven questions related to speaking and listening Skills. Each question will carry 5 marks. The nature of the questions will be as given below:-

Two questions requiring students to give descriptive answers.

Three questions in the form of practical exercises requiring students to give an appropriate response to a question, a proposal, a proposition, an invitation etc. For example, the paper setter may give a proposition and ask the students to agree or disagree with it or introduce a character giving invitations and ask the students to accept or refuse it etc.

Two questions requiring students to transcribe simple words in IPA symbols, marking stress.

PRACTICAL / ORAL TESTING**Marks: 15****Course Contents:**

1. Oral Presentation with/without audio visual aids.
2. Group Discussion.
3. Listening to any recorded or live material and asking oral questions for listening comprehension.

Questions:

1. Oral Presentation will be of 5 to 10 minutes duration. (Topic can be given in advance or it can be of student's own choice). Use of audio visual aids is desirable.
2. Group discussion comprising 8 to 10 students on a familiar topic. Time for each group will be 15 to 20 minutes.

Note: Oral test will be conducted by external examiner with the help of internal examiner.

VI: Punjabi (Compulsory) ਪੰਜਾਬੀ (ਲਾਜ਼ਮੀ)

ਸਮਾਂ : 3 ਘੰਟੇ

ਕੁਲ ਅੰਕ : 50

ਪਾਠ-ਕ੍ਰਮ ਅਤੇ ਪਾਠ-ਪੁਸਤਕਾਂ

1. **ਗਿਆਨ ਮਾਲਾ** (ਵਿਗਿਆਨਕ ਤੇ ਸਮਾਜ-ਵਿਗਿਆਨਕ ਲੇਖਾਂ ਦਾ ਸੰਗ੍ਰਹਿ) (ਸੰਪ. ਡਾ. ਸਤਿੰਦਰ ਸਿੰਘ, ਪ੍ਰੋ. ਮਹਿੰਦਰ ਸਿੰਘ ਬਨਵੈਤ), ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਯੂਨੀਵਰਸਿਟੀ, ਅੰਮ੍ਰਿਤਸਰ, 2007
ਲੇਖ : ਸਾਹਿਤ ਤੇ ਲੋਕ ਸਾਹਿਤ, ਅੱਖਾਂ, ਅਚੇਤਨ ਦਾ ਗੁਣ ਤੇ ਸੁਭਾਅ, ਕੰਪਿਊਟਰ ਅਤੇ ਇੰਟਰਨੈੱਟ, ਮਨੁੱਖੀ ਅਧਿਕਾਰ।
2. **ਆਤਮ ਅਨਾਤਮ** (ਸੰਪ. ਸੁਹਿੰਦਰ ਬੀਰ ਅਤੇ ਵਰਿਆਮ ਸਿੰਘ ਸੰਧੂ) (ਕਹਾਣੀਆਂ) **ਪਠਾਣ ਦੀ ਧੀ** (ਸੁਜਾਨ ਸਿੰਘ), **ਸਾਂਝੀ ਕੰਧ** (ਸੰਤੋਖ ਸਿੰਘ ਧੀਰ), **ਉਜਾੜ** (ਕੁਲਵੰਤ ਸਿੰਘ ਵਿਰਕ), **ਘੋਟਣਾ** (ਮੋਹਨ ਭੰਡਾਰੀ), **ਦਲਦਲ** (ਵਰਿਆਮ ਸਿੰਘ ਸੰਧੂ) ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਯੂਨੀਵਰਸਿਟੀ, ਅੰਮ੍ਰਿਤਸਰ।
3. **ਸ਼ਬਦ-ਬਣਤਰ ਅਤੇ ਸ਼ਬਦ ਰਚਨਾ** : ਪਰਿਭਾਸ਼ਾ, ਮੁੱਢਲੇ ਸੰਕਲਪ
4. **ਸ਼ਬਦ ਸ਼੍ਰੇਣੀਆਂ**
5. **ਪੈਰ੍ਹਾ ਰਚਨਾ**
6. **ਪੈਰ੍ਹਾ ਪੜ੍ਹ ਕੇ ਪ੍ਰਸ਼ਨਾਂ ਦੇ ਉੱਤਰ**
7. **ਮੁਹਾਵਰੇ ਅਤੇ ਅਖਾਣ**

ਅੰਕ-ਵੰਡ ਅਤੇ ਪਰੀਖਿਅਕ ਲਈ ਹਦਾਇਤਾਂ:

1. ਕਿਸੇ ਨਿਬੰਧ ਦਾ ਸਾਰ ਜਾਂ ਉਸਦਾ ਵਿਸ਼ਾ ਵਸਤੂ (ਦੋ ਵਿਚੋਂ ਇਕ) । 10 ਅੰਕ
2. **ਆਤਮ ਅਨਾਤਮ** : ਸਾਰ, ਵਿਸ਼ਾ ਵਸਤੂ, ਪਾਤਰ ਚਿਤਰਣ, ਸਾਹਿਤ ਨੂੰ ਦੇਣ 10 ਅੰਕ
- 3-4. 3-4 ਨੰਬਰ ਉੱਤੇ ਦਿੱਤੀ ਵਿਆਕਰਣ ਦੇ ਆਧਾਰ ਤੇ ਵਰਣਨਾਤਮਕ ਪ੍ਰਸ਼ਨ। 10 ਅੰਕ
5. ਪੈਰ੍ਹਾ ਰਚਨਾ : ਤਿੰਨ ਵਿਸ਼ਿਆਂ ਵਿਚੋਂ ਕਿਸੇ ਇਕ ਉੱਤੇ ਪੈਰ੍ਹਾ ਲਿਖਣ ਲਈ ਕਿਹਾ ਜਾਵੇ । 05 ਅੰਕ
6. ਪੈਰ੍ਹਾ ਦੇ ਕੇ ਉਸ ਬਾਰੇ ਪੰਜ ਪ੍ਰਸ਼ਨਾਂ ਦੇ ਉੱਤਰ 05 ਅੰਕ
7. ਨੰਬਰ 7 ਵਿਚ ਅੱਠ ਅਖਾਣ ਅਤੇ ਅੱਠ ਮੁਹਾਵਰੇ ਪੁੱਛੇ ਜਾਣਗੇ, ਜਿਨ੍ਹਾਂ ਵਿਚੋਂ ਵਿਦਿਆਰਥੀ ਨੇ ਪੰਜ-ਪੰਜ ਨੂੰ ਵਾਕਾਂ ਵਿਚ ਵਰਤ ਕੇ ਅਰਥ ਸਪੱਸ਼ਟ ਕਰਨੇ ਹੋਣਗੇ।

5+ 5=10 ਅੰਕ

VII: Mudhli Punjabi
ਮੁੱਢਲੀ ਪੰਜਾਬੀ
(In lieu of Compulsory Punjabi)

ਸਮਾਂ: 3 ਘੰਟੇ

ਕੁਲ ਅੰਕ: 50

ਪਾਠ - ਕ੍ਰਮ

- | | | |
|----|--|--------|
| 1. | ਪੰਜਾਬੀ ਸ਼ਬਦ-ਬਣਤਰ
ਸੰਯੁਕਤ ਅਤੇ ਮਿਸ਼ਰਤ ਸ਼ਬਦ
ਨਿੱਤ ਵਰਤੋਂ ਦੀ ਪੰਜਾਬੀ ਸ਼ਬਦਾਵਲੀ | 20 ਅੰਕ |
| 2. | ਭਾਸ਼ਾ ਅਤੇ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਮੁੱਢਲੀ ਜਾਣ ਪਛਾਣ
ਗੁਰਮੁਖੀ ਲਿਪੀ ਦੀਆਂ ਵਿਸ਼ੇਸ਼ਤਾਵਾਂ | 15 ਅੰਕ |
| 3. | ਪੰਜਾਬੀ ਵਾਕ ਬਣਤਰ
ਸਾਧਾਰਨ ਵਾਕ: ਕਿਸਮਾਂ
ਸੰਯੁਕਤ ਵਾਕ: ਕਿਸਮਾਂ
ਮਿਸ਼ਰਤ ਵਾਕ: ਕਿਸਮਾਂ
ਪੰਜਾਬੀ ਵਾਕਾਂ ਦੀ ਵਰਤੋਂ ਦੇ ਵਿਭਿੰਨ ਸਮਾਜਿਕ ਪ੍ਰਸੰਗ | 15 ਅੰਕ |

ਯੂਨਿਟ ਅਤੇ ਥੀਮ

1. **ਪੰਜਾਬੀ ਸ਼ਬਦ ਬਣਤਰ:** ਸੰਯੁਕਤ ਸ਼ਬਦ; ਸਮਾਸੀ ਸ਼ਬਦ (ਜਿਵੇਂ ਲੋਕ ਸਭਾ); ਦੋਹਰੇ ਸ਼ਬਦ / ਦੁਹਰਕੁਕਤੀ (ਜਿਵੇਂ ਧੂੜ ਧਾੜ / ਭਰ ਭਰ), ਮਿਸ਼ਰਤ ਸ਼ਬਦਾਂ ਦੀ ਬਣਤਰ/ਸਿਰਜਨਾ; ਅਗੇਤਰਾਂ ਰਾਹੀਂ (ਜਿਵੇਂ ਉਪ ਭਾਸ਼ਾ), ਪਿਛੇਤਰਾਂ ਰਾਹੀਂ (ਜਿਵੇਂ ਰੰਗਲਾ), ਪੰਜਾਬੀ ਸ਼ਬਦ ਰਚਨਾ: ਪੜਨਾਵੀਂ ਰੂਪ, ਕਿਰਿਆ/ਸਹਾਇਕ ਕਿਰਿਆ ਦੇ ਰੂਪ; ਨਿੱਤ ਵਰਤੋਂ ਦੀ ਪੰਜਾਬੀ ਸ਼ਬਦਾਵਲੀ: ਰੁੱਤਾਂ, ਮਹੀਨਿਆਂ, ਮੌਸਮਾਂ, ਗਿਣਤੀ ਨਾਲ ਸੰਬੰਧਿਤ ।
2. I. ਭਾਸ਼ਾ ਅਤੇ ਮਾਤ ਭਾਸ਼ਾ ਦੇ ਮਹੱਤਵ ਸੰਬੰਧੀ ਪ੍ਰਸ਼ਨ
II. ਗੁਰਮੁਖੀ ਲਿਪੀ ਦੀਆਂ ਵਿਸ਼ੇਸ਼ਤਾਵਾਂ ਸੰਬੰਧੀ ਪ੍ਰਸ਼ਨ
3. **ਪੰਜਾਬੀ ਵਾਕ ਬਣਤਰ:** ਕਰਤਾ ਕਰਮ ਕਿਰਿਆ; ਸਾਧਾਰਨ ਵਾਕ, ਬਿਆਨੀਆ, ਪ੍ਰਸ਼ਨਵਾਚਕ, ਆਗਿਆਵਾਚਕ, ਸੰਯੁਕਤ ਅਤੇ ਮਿਸ਼ਰਤ ਵਾਕਾਂ ਦੀਆਂ ਕਿਸਮਾਂ; ਸੁਤੰਤਰ ਅਤੇ ਅਧੀਨ ਉਪਵਾਕ; ਸਮਾਨ (ਤੇ/ਅਤੇ) ਅਤੇ ਅਧੀਨ (ਜੋ/ਕਿ) ਯੋਜਕਾਂ ਦੀ ਵਰਤੋਂ; ਪੰਜਾਬੀ ਵਾਕਾਂ ਦੀ ਵਰਤੋਂ: ਵਿਭਿੰਨ ਸਮਾਜਕ/ਸਭਿਆਚਾਰਕ ਪ੍ਰਸੰਗ; ਘਰ ਵਿਚ, ਬਾਜ਼ਾਰ ਵਿਚ, ਮੇਲੇ ਵਿਚ, ਸ਼ੋਪਿੰਗ ਮਾਲ/ਸਿਨੇਮੇ ਵਿਚ, ਵਿਆਹ ਵਿਚ, ਧਾਰਮਿਕ ਸਥਾਨਾਂ ਵਿਚ, ਦੋਸਤਾਂ ਨਾਲ ਆਦਿ।

ਅੰਕ-ਵੰਡ ਅਤੇ ਪਰੀਖਿਅਕ ਲਈ ਹਦਾਇਤਾਂ

1. ਪਹਿਲੇ ਯੂਨਿਟ ਵਿੱਚੋਂ ਪੰਜਾਬੀ ਸ਼ਬਦ ਬਣਤਰ ਅਤੇ ਸ਼ਬਦ ਰਚਨਾ ਨਾਲ ਸਬੰਧਿਤ 5-5 ਅੰਕਾਂ ਦੇ ਤਿੰਨ ਵਿਹਾਰਕ ਪ੍ਰਸ਼ਨ ਪੁੱਛੇ ਜਾਣਗੇ। ਅੰਕਾਂ ਦੀ ਵੰਡ ਅੱਗੋਂ ਇਕ-ਇਕ ਜਾਂ ਦੋ-ਦੋ ਅੰਕਾਂ ਦੇ ਛੋਟੇ ਪ੍ਰਸ਼ਨਾਂ ਵਿਚ ਕੀਤੀ ਜਾ ਸਕਦੀ ਹੈ। ਨਿੱਤ ਵਰਤੋਂ ਦੀ ਸ਼ਬਦਾਵਲੀ ਨਾਲ ਸਬੰਧਿਤ ਇਕ-ਇਕ ਅੰਕ ਦੇ ਪੰਜ (ਆਬਜੈਕਟਿਵ) ਪ੍ਰਸ਼ਨ ਪੁੱਛੇ ਜਾਣਗੇ।
20 ਅੰਕ
2. ਦੂਸਰੇ ਯੂਨਿਟ ਵਿੱਚ ਭਾਸ਼ਾ ਅਤੇ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਮੁਢਲੀ ਜਾਣ ਪਛਾਣ ਨਾਲ ਸੰਬੰਧਿਤ 5-5 ਅੰਕਾਂ ਦੇ ਤਿੰਨ ਵਿਹਾਰਕ ਪ੍ਰਸ਼ਨ ਪੁੱਛੇ ਜਾਣਗੇ। ਅੰਕਾਂ ਦੀ ਵੰਡ ਅੱਗੋਂ ਇੱਕ-ਇੱਕ ਜਾਂ ਦੋ-ਦੋ ਅੰਕਾਂ ਦੇ ਛੋਟੇ ਪ੍ਰਸ਼ਨਾਂ ਵਿੱਚ ਕੀਤੀ ਜਾ ਸਕਦੀ ਹੈ।
15 ਅੰਕ
3. ਤੀਜੇ ਯੂਨਿਟ ਵਿੱਚ ਪੰਜਾਬੀ ਵਾਕ-ਬਣਤਰ ਨਾਲ ਸਬੰਧਿਤ 5-5 ਅੰਕਾਂ ਦੇ ਦੋ ਵਿਹਾਰਕ ਪ੍ਰਸ਼ਨ ਪੁੱਛੇ ਜਾਣਗੇ। ਅੰਕਾਂ ਦੀ ਵੰਡ ਅੱਗੋਂ ਇਕ-ਇਕ ਜਾਂ ਦੋ-ਦੋ ਅੰਕਾਂ ਦੇ ਛੋਟੇ ਪ੍ਰਸ਼ਨਾਂ ਵਿਚ ਕੀਤੀ ਜਾ ਸਕਦੀ ਹੈ।
ਪੰਜਾਬੀ ਵਾਕਾਂ ਦੀ ਵਿਹਾਰਕ ਵਰਤੋਂ ਨਾਲ ਸਬੰਧਿਤ 5 ਅੰਕਾਂ ਦਾ ਇਕ ਪ੍ਰਸ਼ਨ ਪੁੱਛਿਆ ਜਾਵੇਗਾ, ਜਿਸ ਵਿਚ ਵਿਦਿਆਰਥੀ ਨੂੰ ਕਿਸੇ ਸਮਾਜਿਕ/ਸਭਿਆਚਾਰਕ ਪ੍ਰਸੰਗ ਵਿਚ ਵਰਤੇ ਜਾਂਦੇ ਪੰਜ ਵਾਕ ਲਿਖਣ ਲਈ ਕਿਹਾ ਜਾਵੇਗਾ।
ਪ੍ਰਸ਼ਨਾਂ ਦੀ ਭਾਸ਼ਾ ਸਰਲ ਅਤੇ ਸਪਸ਼ਟ ਰੱਖੀ ਜਾਵੇ।
15 ਅੰਕ

**I. FASHION DESIGN AND ILLUSTRATION
(Practical)****Time: 3 Hrs.****Total Credit Periods: (00+06)****Max. Marks: 50****Instructions for the Examiners/Paper Setters:****Paper will be set on the spot by the examiner.**

1. Set 3 questions from sketching part-
2. File work

**15 Marks Each.
5 Marks.****OBJECTIVES:**

- To enable students to gain knowledge of figure sketching and drawing.
- To understand the fashion design concepts.

FLAT SKETCHING AND FIGURE DRAWING:

- Sketching of various garment details – collars, necklines, sleeves, cuffs
- Sketching of accessories for Different Age Groups.
- Flat sketching of tops, skirts and trousers.
- Variation of skirts with different panels – A-line, Four Gore, Six Gore, Eight Gore and Semicircular.
- Rendering Texture of fabrics – Cotton, Wool, Net, Velvet, Leather, Satin, Silk, Corduroy, Fur
- Silhouette - A Line, Funnel shaped, Circular, Straight, Rectangular, Hour Glass Garment draping on fashion figures.
- Garment draping on fashion figures.

References:

1. Ireland, Patrick John, “Fashion Design Drawing and Presentation”, B.T. Batsford, London, 1996.
2. Elisabetta Drudi, T.Paci, “Figure Drawing for Fashion”, The Pepin Press.
3. Allen and Seaman, “Fashion Drawing – The Basic Principles”, B.T. Batsford, London.

II. TEXTILE CHEMISTRY - II
(Theory)**Time: 3 Hrs.****Total Credit Periods: (03+06)****Max. Marks: 100****Theory: 50****Practical: 50****Instructions for the Examiners/Paper Setters:**

Set 8 questions of 10 marks each out of which any 5 questions have to be attempted.

OBJECTIVES:

- To impart knowledge of color and color schemes.
- To acquaint students with different types of printing and dyeing techniques.
- To enable students to develop practical skills of printing and dyeing.

THEORY:

- Concept of color and pigment theory
- Dimensions and harmonies of colors and their manipulation
- Types of design and their application to textiles
- Dyeing of fibers, yarns, fabrics and decorative dyeing.
- Traditional and modern methods and styles of printing
- Finishes – basic, texturing and functional

II. TEXTILE CHEMISTRY - II
(Practical)**Time: 3 Hrs.****Marks: 50****Instructions for the Examiners/Paper Setters:**

- Preparation of article by using any 3 techniques- **45 marks**
- Scheme work – **5 marks**
- Preparation of color designs on paper for various textiles employing traditional and modern motifs. E.g.; folk designs, paisley designs, grape wine.
- Decorative dyeing (tie and dye, batik, resist and discharge of dyeing).
- Printing of fabrics by different methods and styles (block, stencils, screen and sublimation transfer).
- Preparation of any 5 articles by using above techniques.

**III. PATTERN MAKING AND GARMENT CONSTRUCTION
(Theory)****Time: 3 Hrs.****Total Credit Periods: (03+06)****Max. Marks: 150****Theory: 50****Practical: 100****Instructions for the Examiners/Paper Setters:**

Each question paper of theory will consist of eight questions and a candidate has to attempt 5 out of these. Each question will be of 10 marks.

OBJECTIVES:

To teach different aspects of pattern making and grading.

To introduce the concept of pattern making.

To impart knowledge of draping.

THEORY:

- Basics of Commercial paper pattern.
- Pattern Envelope
- Pattern Marking
- Pattern Layout
- Pattern Alteration
- Dart Manipulation
- Fitting – Principles of fitting, standards and steps in fitting techniques, fitting problems and their remedies.
- Elements of fabric, Principles and fitting methods.
- Basic foundation pattern.
- Dart manipulation
- Eliminating Darts
- Fabric preparation for garment construction.
- Fabric estimation and its importance.

**III. PATTERN MAKING AND GARMENT CONSTRUCTION
(Practical)****Time: 4 Hrs.****Marks: 100****Instructions for the Examiners/Paper Setters:**

1. Set one compulsory question of **20 marks** from dart manipulation.
 2. Construction of any one garment of **50 marks** (basic foundation patterns can be used).
 3. Design development and style reading of garment made- **30 marks.**
- Design development and style reading.
 - Dart manipulation using various principles of pattern alteration Basic foundation pattern
 - Dart Manipulation, style lines and collars Eliminating Darts
 - Preparation of commercial paper pattern of the garment designed.
 - Designing and construction of blouse, petticoat, ladies shirt and salwar.

**IV. NEEDLE CRAFT
(Practical)****Time: 3 Hrs.****Max. Marks: 100****Total Credit Periods: (00+06)****Instructions for the Examiners/Paper Setters: Paper will be set on the spot by the examiner.**

1. Set 5 questions of 20 marks each out of which, students are required to attempt any four.
2. Scheme work – 20 marks.

OBJECTIVES:

To enable students learn methods of surface ornamentation of fabric using different techniques to produce value-added products.

To enable the students to develop practical skills in needle craft techniques.

PRACTICAL:

- Patchwork and quilting – Introduction, tools, materials and techniques,
- Embroidery – introduction, tools, material, techniques and types of embroidery (cutwork, cross stitch, couching, glass work and drawn thread work).
- Appliqué – introduction, tools, materials and techniques.
- Crochet – introduction, tools, material, techniques and types – single, double, circular, making of Crochet samples.
- Special techniques – smoking, ribbon work, beads and sequins work.
- Making one sample of each – smoking, ribbon work, beads and sequins work.
- Develop one product based on any one technique of needle craft.

References:

1. Naik Shailaja, “Traditional Embroideries of India”, APH Publishing Corporation, New Delhi, 1996.
2. Snook Barbara, “Creative Art of Embroidery”, Numbly Pub. Group Ltd., London, 1972.
3. Mathew Anne, “Vogue Dictionary of Crochet Stitches”, David and Charles, London 1989.
4. Anand M.R., “Textiles and Embroideries of India”, Marg Publications, Bombay, 1965.

**V. KNITTING & LEATHER TECHNOLOGY
(Theory)**

Time: 3 Hrs.
Total Credit Periods: (06+03)

Max. Marks: 100
Theory: 60
Practical: 40

Instructions for the Examiners/Paper Setters:

Set 8 questions of 10 marks each out of which any 6 questions have to be attempted.

OBJECTIVES:

To impart knowledge about knitting technology.

To enable students to develop practical skills of knitting.

THEORY:

- Introduction to Knitting Technology, difference between Knits and Woven, terms used in Knitting.
- Indian Knitting Industry – past, present and future.
- Hand Knitting.
- Comparison of Warp and weft knitting.
- Basic weft knit stitches – single jersey, rib, purl, interlock, float and tuck stitches
- Basic warp knit stitches – underlap, overlap, closedlap, openlap.
- Knitting Machines – Weft and Warp Knitting machines.
- Knitted fabrics defects
- History of leather
- Classification of leather
- Finishing of leather.

**V. KNITTING & LEATHER TECHNOLOGY
(Practical)****Time: 3 Hrs.****Marks: 40****Instructions for the Examiners/Paper Setters:**

1. Set 4 questions of which, students are required to attempt any three.
2. Two Questions will be of 15-15 marks one will be of 10 marks.
 - Knitting – introduction, terminology, hand knitting tools, material, techniques, types of knitting, basic textured diagonal, ribs, laces, cables, cross and knitted, making of knitting samples (at least 2 samples of each technique).
 - Preparation of any one article.

References:

1. Prof. Ajgaonkar D B, “Knitting Technology”, University Publishing Co-operation, Mumbai.
2. Brackenbury Terry, “Knitting Clothing Technology”, Blackwell Science, UK.
3. Spancer David J, “Knitting Technology”, Pergeman Press.

B.Sc. Fashion Designing (Semester–III)

**ESL-221: ENVIRONMENTAL STUDIES–I
(Compulsory)**

Time: 3 Hrs.

Max. Marks: 50

Theory Lectures: 1½ Hours/ Week

Section–A: (15 Marks): It will consist of five short answer type questions. Candidates will be required to attempt three questions, each question carrying five marks. Answer to any of the questions should not exceed two pages.

Section–B: (20 Marks): It will consist of four essay type questions. Candidates will be required to attempt two questions, each question carrying ten marks. Answer to any of the questions should not exceed four pages.

Section–C: (15 Marks): It will consist of two questions. Candidate will be required to attempt one question only. Answer to the question should not exceed 5 pages.

1. The Multidisciplinary Nature of Environmental Studies:

- Definition, scope & its importance.
- Need for public awareness.

2. Natural Resources:

- Natural resources and associated problems:
 - a) **Forest Resources:** Use of over exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forests and tribal people.
 - b) **Water Resources:** Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems.
 - c) **Mineral Resources:** Use and exploitation, environmental effects of extracting and using mineral resources, case studies.
 - d) **Food Resources:** World food problems, change caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problem, salinity, case studies.
 - e) **Energy Resources:** Growing of energy needs, renewable and non-renewable energy resources, use of alternate energy sources, case studies.
 - f) **Land Resources:** Land as a resource, land degradation, soil erosion and desertification.
- Role of an individual in conservation of natural resources.
- Equitable use of resources for sustainable lifestyles.

3. Ecosystem:

- 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 ecosystems:
 - a. Forest ecosystem
 - b. Grassland ecosystem
 - c. Desert ecosystem

d. Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)

4. Social Issues and 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.
- Environmental Protection Act:
 - 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.

5. National Service Scheme

- **Introduction and Basic Concepts of NSS:** History, philosophy, aims & objectives of NSS; Emblem, flag, motto, song, badge etc.; Organizational structure, roles and responsibilities of various NSS functionaries.
- **Health, Hygiene & Sanitation:** Definition, needs and scope of health education; Food and Nutrition; Safe drinking water, water borne diseases and sanitation (Swachh Bharat Abhiyan); National Health Programme; Reproductive health.

References/Books:

1. Agarwal, K. C. 2001. Environmental Biology, Nidhi Publications Ltd. Bikaner.
2. Bharucha, E. 2005. Textbook of Environmental Studies, Universities Press, Hyderabad.
3. Down to Earth, Centre for Science and Environment, New Delhi.
4. Jadhav, H. & Bhosale, V. M. 1995. Environmental Protection and Laws. Himalaya Pub.
5. Joseph, K. and Nagendran, R. 2004. Essentials of Environmental Studies, Pearson Education (Singapore) Pte. Ltd., Delhi.
6. Kaushik, A. & Kaushik, C. P. 2004. Perspective in Environmental Studies, New Age International (P) Ltd, New Delhi.
7. Miller, T. G. Jr. 2000. Environmental Science, Wadsworth Publishing Co.
8. Sharma, P. D. 2005. Ecology and Environment, Rastogi Publications, Meerut.
9. Booklet on Safe Driving. Sukhmani Society (Suvidha Centre), District Court Complex, Amritsar
10. Kanta, S., 2012. Essentials of Environmental Studies, ABS Publications, Jalandhar.

B.Sc. Fashion Designing (Semester–IV)

**I. FASHION DESIGN AND ILLUSTRATION (CAD)
(Practical)****Time: 3 Hrs.****Max. Marks: 100****Total Credit Periods: (00+06)****Instructions for the Examiners/Paper Setters:**

- Set 3 questions from CAD part
- File work

Marks: 30x3=90**Marks:10****OBJECTIVES:**

To understand the fashion design concepts on computer.

To acquaint students with knowledge of CAD based application in fashion designing.

CAD:

- Croqui drawing in Computer.
- Drawing the details of the following and applying various texture and effects using CAD (Corel Draw).
- Fashion Details/Silhouette :
 - Collar:** Mandarin, High Bias, Tuxedo, Cape, Flat Tennis.
 - Sleeves:** Raglan, Hanky, Tulip, Ruffle, Dolman
 - Accessories:** Bags, Belts, Caps, Bows.
 - Pockets:** Flap, Pouch, Patch, Cross, Slit, Kurta
 - Skirts:** Novelty, Gathered, Hip Rider, Trumpet, Pegged, Circular, Pleated, Straight, A-Line.
- Variation of skirts with different panels – A-line, Four Gore, Six Gore, Eight Gore and Semicircular.
- Trousers: Jeans, Straight Pants, Baggy Pants, Jump Suit, Dungarees.
- Silhouette: A Line, funnel shaped, circular, straight, Rectangular, High waisted Empire line.

References:

1. Veisinet DD, “Computer Aided Drafting and Design – Concept and Application’, 1987.
2. Taylor P, “Computers in the Fashion Industry”, Heinemann Pub., 1990.
3. Winfred Aldrich, “CAD in Clothing and Textiles”, Blackwell Science 1994.

**II. HISTORY OF COSTUMES
(Theory)****Time: 3 hrs.****Total Credit Periods: (06+03)****Max. Marks: 100****Theory: 50****Practical: 50****Instructions for the Examiners/Paper Setters:**

Set 8 questions of 10 marks each out of which any 5 questions have to be attempted.

OBJECTIVES:

To acquaint the students with different types of costumes.

To provide opportunity for skill development in designing accessories.

THEORY:

- Study of costumes from earlier times to present time.
- Indian Costumes
 - ✓ Indus Valley Period
 - ✓ Mauryan and Sunga Period Kushan Period
 - ✓ Gupta Period
 - ✓ Mughal Period
 - ✓ British Period
 - ✓ Costumes of various regions of India
- Western Costumes - Egyptian, Greek, Roman, Byzantine, French.

**II. HISTORY OF COSTUMES
(Practical)****Time: 3 Hrs****Marks: 50**

- Set three questions out of which students have to attempt 2 of – 20 marks each.
- File work – 10 marks
- Sketch costumes for men, women and children and accessories for the following:
 - a. Indus valley civilization.
 - b. British period
 - c. Mauryan
 - d. Mughal
- Sketch costumes and accessories for East, West, North and South regions of India.
- Sketching and Rendering of - Headgears, footwear, handbags, belts, gloves, earrings, necklaces and bangles.
- Preparation of any four accessories.

References:

1. Singh Kiran, "Textiles in Ancient India", Vishwa Vidyalaya.
2. Oar S.N., "Costumes of India and Pakistan", OB Tataporevala Sons and Co. Ltd, 1982.
3. Kumar Ritu, "Costumes & Textiles of Royal India", Christies Book Ltd, London, 1999.
4. Ghurey, G.S., "Indian Costumes", The Popular Book Depot.
5. Chandermoti, "History of Indian Costumes"
6. Mehta, Rustam J, "Masterpieces of Indian Textiles", Taraporevala Sons & Co. Pvt. Ltd., Bombay.
7. Peacock John, "Fashion Accessories - Men", Thames and Hudson, London, 1996.
8. Peacock John, "The Complete 20" Century Source Book", Thames and Hudson, London, 2000.
9. Billcocks Claire, "Century of Bags", Chartwell Books, New Jersey, 1997.

**III. GARMENT CONSTRUCTION AND DRAPING
(Theory)****Time: 3 Hrs.****Total Credit Periods: (03+06)****Max. Marks: 150****Theory: 50****Practical: 100****Instructions for the Examiners/Paper Setters:**

Each question paper of theory will consist of seven questions and a candidate has to attempt 5 out of these. Each question will be of 10 marks.

OBJECTIVES:

To introduce concept of advanced garment construction.

To introduce the concept of garment making.

To impart knowledge of different garment components.

THEORY:

- Selection of clothing according to – age, occupation, season, geographical conditions, religion, social status
- Selection of clothing according to different age groups (infants, school going and adolescence.
- Principles of layout, correct method of laying pattern on the material.
- Introduction to draping- Tools, equipments used in draping
- Draping terminology.
- Preparation of muslin for draping.
- Handling special fabrics
- Lining, interlining, facing and interfacing.

**III. GARMENT CONSTRUCTION AND DRAPING
(Practical)****Time: 4 Hrs.****Marks: 100****Instructions for the Examiners/Paper Setters:**

1. Set one compulsory question of **30 marks** from draping.
2. Construction of any one garment of **60 marks** (basic foundation patterns can be used).
3. Scheme work – **10 marks**
 - Preparation of commercial paper patterns.
 - Construction of churidar, kalidar Kurta
 - Construction of different types of skirts (A-Line, Circular and Pleated Skirt)
 - Draping of basic bodice block front and back.
 - Draping of basic skirt block front and back.
 - Preparation of muslin for draping

References:

1. Mullick, Prem Lata, “Garment Construction Skills”, Kalyani Publishers, New Delhi
2. “Complete Guide to Sewing”, Reader Digest
3. Winfred Aldrich, Metric Pattern Cutting, Blackwell Science, UK
4. Carr Harold & Latham Barbara, “The Technology of Clothing Manufacture”, Oxford Pub. USA, 1994.
5. Cooking G, “Introduction to Clothing Manufacture”, Blackwell Science, UK, 1991.

**IV: FASHION ILLUSTRATION AND APPRECIATION
(Practical)****Time: 3 Hrs****Max. Marks: 50****Total period: 6 Hrs/week****Instructions for the Examiners/ Paper Setters:****Paper will be set on the spot by examiner.**

1. Set 3 questions of 20 Marks each out of which 2 have to be attempted.
2. Scheme work-10 marks.

Objectives:

To enable students to the designing by taking inspiration from different themes.

Practical:

Design for following themes taking inspiration from moodboard, storyboard.

1. Clubwear
2. Beachwear
3. Indo-Western using different printing Techniques.

**V. PATTERN AND MARKER MAKING ON COMPUTER
(Practical)****Time: 3 Hrs.****Max. Marks: 100****Total Credit Periods: (00+06)****Instructions for the Examiners/Paper Setters:**

- Set 4 questions of 30 marks each out of which, students are required to attempt any 3 questions. **Marks: 30x3=90**
- File work **Marks: 10**

OBJECTIVES:

To impart the skills of marker plan, pattern making and drawing using computers.

PRACTICAL:

- Sloper development, manipulation of darts and seams, explanation of seam allowances.
- Basic principles of marker making on computer (cutting and layout)
- Cross marking and notching
- Manipulation grain line
- Practice exercises.

References:

1. Velsinet DD, “Computer Aided Drafting and Design – Concept and Application”, 1987.
2. Taylor P, “Computers in Fashion Industry”, Heinemann Pub. 1990.
3. Aldrich Winfred, “CAD in Clothing and Textiles”, Blackwell Science 1994.

**ESL-222: ENVIRONMENTAL STUDIES-II
(Compulsory)****Time: 3 Hrs.****Max. Marks: 50****Theory Lectures: 1½ Hours/ Week**

Section-A: (15 Marks): It will consist of five short answer type questions. Candidates will be required to attempt three questions, each question carrying five marks. Answer to any of the questions should not exceed two pages.

Section-B: (20 Marks): It will consist of four essay type questions. Candidates will be required to attempt two questions, each question carrying ten marks. Answer to any of the questions should not exceed four pages.

Section-C: (15 Marks): It will consist of two questions. Candidate will be required to attempt one question only. Answer to the question should not exceed 5 pages.

1. Biodiversity and its Conservation:

- Definition: Genetic, species and ecosystem diversity.
- Biogeographical classification of India.
- Value of Biodiversity: Consumptive use; productive use, social, ethical, aesthetic and option values.
- Biodiversity of global, National and local levels.
- India as mega-diversity nation.
- Hot-spots of biodiversity.
- Threats to Biodiversity: Habitat loss, poaching of wild life, man wildlife conflicts.
- Endangered and endemic species of India.
- Conservation of Biodiversity: In situ and Ex-situ conservation of biodiversity.

2. Environmental Pollution:

- Definition, causes, effects and control measures of:
 - a) Air Pollution
 - b) Water Pollution
 - c) Soil Pollution
 - d) Marine Pollution
 - e) Noise Pollution
 - f) Thermal Pollution
 - g) Nuclear Hazards
 - h) Electronic Waste
- 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.

3. Human Population and the Environment

- Population growth, variation among nations.
- Population explosion-Family welfare programme.
- Environment and human health.

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- Human rights.
- Value education.
- HIV/AIDS.
- Women and child welfare.
- Role of information technology in environment and human health.
- Case studies.
- Road Safety Rules & Regulations: Use of Safety Devices while Driving, Do's and Don'ts while Driving, Role of Citizens or Public Participation, Responsibilities of Public under Motor Vehicle Act, 1988, General Traffic Signs.
- Accident & First Aid: First Aid to Road Accident Victims, Calling Patrolling Police & Ambulance.

4. National Service Scheme

- **Entrepreneurship Development:** Definition & Meaning; Qualities of good entrepreneur; Steps/ ways in opening an enterprise; Role of financial and support service Institutions.
- **Civil/Self Defense:** Civil defense services, aims and objectives of civil defense; Needs for self defense training.

5. Field Visits:

- Visit to a local area to document environmental assets–river/forest/grassland/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.
- Contribution of the student to NSS/any other social cause for service of society.

Note: In this section the students will be required to visit and write on the environment of an area/ ecosystem/village industry/disaster/mine/dam/agriculture field/waste management/hospital etc. with its salient features, limitations, their implications and suggestion for improvement.

References/Books:

1. Agarwal, K. C. 2001. Environmental Biology, Nidhi Publications Ltd. Bikaner.
2. Bharucha, E. 2005. Textbook of Environmental Studies, Universities Press, Hyderabad.
3. Down to Earth, Centre for Science and Environment, New Delhi.
4. Jadhav, H. & Bhosale, V. M. 1995. Environmental Protection and Laws. Himalaya Pub.
5. Joseph, K. and Nagendran, R. 2004. Essentials of Environmental Studies, Pearson Education (Singapore) Pte. Ltd., Delhi.
6. Kaushik, A. & Kaushik, C. P. 2004. Perspective in Environmental Studies, New Age International (P) Ltd, New Delhi.
7. Miller, T. G. Jr. 2000. Environmental Science, Wadsworth Publishing Co.
8. Sharma, P. D. 2005. Ecology and Environment, Rastogi Publications, Meerut.
9. Booklet on Safe Driving. Sukhmani Society (Suvidha Centre), District Court Complex, Amritsar
10. Kanta, S., 2012. Essentials of Environmental Studies, ABS Publications, Jalandhar.

B.Sc. Fashion Designing (Semester–V)

I. Fashion Illustration and Appreciation

Max. Marks: 100

Time: 4 Hrs.

Instructions for the Examiners/Paper Setters:

Set 5 questions out of which students have to attempt any 4 questions- 25 marks each.

PART A

- Collage making on any 3 themes like culture, environment, historic period, monuments, embroidery, traditional fabric etc.
- Taking inspiration from the above themes, illustrate garments on the croquis.

PART B

- Illustrating 4-5 sheets of each theme along with mood board, storyboard.

II. Draping, Pattern Making and Construction**Max. Marks: 150****Time: 4 Hrs.****Instructions for the Examiners/Paper Setters:**

- One question from draping for 40 marks
- Pattern – 40 marks
- Construction of garment with finishing – 70 marks

Part-A

- Draping of stylized skirts
- Draping of stylized necklines, armholes
- Draping of front and back bodice with princess line
- Draping of front bodice with French darts.
- Draping of sleeve collar, cowl neck
- Front and Back torso

Part-B

- Construction of garments on each theme:
- Night Wear
- Ethnic wear

III. CAD (Computer Aided Designing)**Max. Marks: 75****Time: 3 Hrs.****Instructions for the Examiners/Paper Setters:**

Set 4 questions out of which students have to attempt 3 questions – 25 marks each

Design different outfits using themes like:

- Flora and Fauna
- Traditional Fabric and embroidery
- Festival / culture
- Beachwear
- Office wear

Minimum 2 designs to be prepared on every theme. Prepare a file on these designed outfits by taking printouts.

IV. Internship for Design and Construction of Garments

Max. Marks: 75

- Industrial training on production of garments.(1 month)
- Submitting report
- Designing and construction of samples during training (at least 2)

**V. Knitting and Leather Technology
(Theory)****Time: 3 Hrs****Max. Marks: 100****Instructions for the Examiners/Paper Setters:**

Set 8 questions out of which 5 have to be attempted – 20 marks each

- Explain knitting and its types
- Fully fashioned garments
- Fully cut garments
- Integral garments
- Cut-Stitch shaped garments
- Quality control in knitting
- Nature and scope of leather industry
- Manufacturing of leather

I. Fashion Illustration and Appreciation**Max. Marks: 100****Time: 4 Hrs.****Instructions for the Examiners/Paper Setters:**

Set 5 questions out of which 4 have to be attempted- 25 marks each

Part A

- Appreciation of 3 western designers
- Collecting and illustrating the work of 2 Indian designers
- Brief history
- Famous design

Part-B

- Illustrating the innovative dresses by the use of appropriate mediums and different presentation skills by taking inspiration of famous western and Indian designers.

II. Pattern Making and Construction**Max. Marks: 150****Time: 4 Hrs.****Instructions for the Examiners/Paper Setters:**

- Students have to construct a finished garment and layouts and patterns of the same.
- Construction of the garment- 75 marks
- Layout- 40 marks
- Paper pattern – 35 marks

Part-A

Construction of garments on each theme:

- Office wear
- Evening wear

Part-B

Design and construct any innovative garment based on previous paper.

**II. Computer Aided Designing
(Practical)****Time: 3 Hrs.****Max. Marks: 75****Instructions for the Examiners/Paper Setters:**

Set any 4 questions out of which students have to attempt 3 questions of 25 marks each.

Part –A

Adobe Photoshop

- Introduction to Photoshop
- Opening, closing and saving a file
- Tool Box
- Importing, Exporting and printing a document
- Color Palettes
- All menus

Part-B

Designing outfits on the following themes using both softwares that is Corel and Photoshop

- Season/Casual wear
- Party wear
- Sportswear/ Uniform(School)
- Draping simulation of any 2 designs

IV. Survey and Project Report

Time: 3 Hrs.

Max. Marks: 100

- Survey on any Indian state
- Make a project report
- Design any 10 garments taking it as inspiration

**V. Fashion Industry, Marketing and Management
(Theory)****Time: 3 Hrs.****Max. Marks: 75****Instructions for the Examiners/Paper Setters:**

Set 8 questions out of which 5 have to be attempted. Each question will carry equal marks.

Part A

- Introduction to fashion industry
- Indian and global fashion market
- Career in fashion industry
- Level of fashion industry-Couture, ready to wear, mass production

Part-B

- Introduction to marketing
- Nature and scope of marketing
- Marketing research
- Marketing concept
- Fashion market and marketing environment

Part-C

- Management-Concept,principles,characteristics
- Exhibition,sales,fashion shows
- Retailing-Department stores, apparel specialty store, franchise retailing etc.