

FACULTY OF SCIENCES

SYLLABUS

FOR

Bachelor of Vocation (B.Voc.) (FASHION TECHNOLOGY) (SEMESTER: I-VI)

Examinations: 2018-19



GURU NANAK DEV UNIVERSITY AMRITSAR

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Bachelor of Vocation (B.Voc)
(Fashion Technology)(Semester System)

Semester-I

(Aligned with level 4 of Sector Skill Council – Qualification Pack – ASST. FASHION DESIGNER (AMH/Q1210))

Paper Code	Subject	Component	Time		Marks			
			Th.	Pr.	Th.	Pr.	Total	
I	Communication Skills in English-I	General Education	3hrs	--	50	--	50	
II	Punjabi (Compulsory) OR *ਮੁੱਢਲੀ ਪੰਜਾਬੀ OR ** Punjab History & Culture	General Education	3hrs	--	50	--	50	
III	***Drug Abuse: Problem, Management and Prevention (Compulsory)		3hrs	--	50	--	--	
IV	Sewing Techniques-I	Skill	--	3hrs	--	50	50	
V	Fashion Art & Design Development	Skill	--	3hrs	-	50	50	
VI	Pattern Making & Construction-I	Skill	--	3hrs	--	50	50	
VII	CAD-I	Skill	--	3 hrs	--	50	50	
VIII	Concept of Fashion & Textiles-I	Skill	3 hrs.		100	-	100	
Total								400

Note:

1. *Special Paper in lieu of Punjabi Compulsory.
2. **For those students who are not domicile of Punjab
3. ***This paper marks will not be included in the total marks.

Bachelor of Vocation (B.Voc)
(Fashion Technology)(Semester System)

Semester-II

(Aligned with level 5 of Sector Skill Council – Qualification Pack – FASHION DESIGNER (AMH/Q1201))

Paper Code	Subject	Component	Time		Marks			
			Th.	Pr.	Th. Total	Pr.	Pr.	
I	Communication Skills in English-II	General Education	3hrs	3hrs	35	15	50	
II	Punjabi (Compulsory) OR *ਮੁੱਢਲੀ ਪੰਜਾਬੀ OR ** Punjab History & Culture	General Education	3hrs	--	50	--	50	
III	***Drug Abuse : Problem, Management and Prevention (Compulsory)		3hrs	--	50	--	--	
IV	Sewing Techniques-II	Skill	--	3 hrs	--	50	50	
V	Fashion Illustration & Design Development	Skill	--	3hrs	--	50	50	
VI	Portfolio Development (Kids)	Skill	--	3hrs	--	50	50	
VII	CAD-II	Skill	--	4hrs	--	50	50	
VIII	Concept of Fashion & Textiles-II	Skill	3 hrs.	-	100	-	100	
Total								400

Note:

1. *Special Paper in lieu of Punjabi Compulsory.
2. **For those students who are not domicile of Punjab
3. ***This paper marks will not be included in the total marks.

Bachelor of Vocation (B.Voc)
(Fashion Technology)(Semester System)

SEMESTER-III

Paper No.	Subject	Theory Marks	Duration	Practical Marks	Duration	Total Marks
I	Computer Fundamentals	--	--	50	3Hrs	50
II	Needle Craft	--	--	75	4Hrs	75
III	Pattern Making and Garment Construction-I	50	3Hrs.	75	5Hrs	125
IV	Knitting Technology	50	3Hrs.	25	4Hrs	75
V	Fashion Design and Illustration-I	--	--	75	4Hrs	75
VI	*ESL-221 : Environmental Studies (Compulsory)	100	3Hrs.			
Grand Total						400

***Note: *This paper marks will not be included in the total marks. Student can opt. this Paper whether in 3rd or 4th Semester.**

Bachelor of Vocation (B.Voc)
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SEMESTER-IV

Paper No.	Subject	Theory Marks	Duration	Practical Marks	Duration	Total Marks
I	Personality Development	50	3Hrs.	--	--	50
II	Computer Aided Designing (CAD)-I	--	--	50	3Hrs.	50
III	Draping and Garment Construction	50	3Hrs.	75	5Hrs.	125
IV	History of Costumes	50	3Hrs.	50	4Hrs.	100
V	Fashion Design and Illustration-II	--	--	75	4Hrs.	75
VI	*ESL-221 : Environmental Studies (Compulsory)	100	3Hrs.	--	--	50
				Grand Total		400

Note: *This paper marks will not be included in the total marks. Student can opt. this Paper whether in 3rd or 4th Semester.

Bachelor of Vocation (B.Voc)
(Fashion Technology)(Semester System)

Semester-V

Paper Code	Subject	Component	Time		Marks		
			Th.	Pr.	Th.	Pr.	Total
I	Human Values in Education	General Education	3hrs	--	50	--	50
II	Basics of E-Business	General Education	3hrs	--	50	--	50
III	Computer Aided Designing (CAD)-II	Skill	--	3hrs	--	50	50
IV	Garment Construction and Care	Skill	3hrs	5hrs	50	80	130
V	Portfolio	Skill	--	4hrs	--	70	70
VI	Fashion Industry, Marketing and Management	Skill	3hrs	--	50	--	50
Total							400

Semester-VI

Paper Code	Subject	Component	Time		Marks		
			Th.	Pr.	Th.	Pr.	Total
I	Entrepreneurship	General Education	3hrs	--	50	--	50
II	Internet Applications in Business	General Education	3hrs	--	50	--	50
III	Computer Aided Designing (CAD)-III	Skill	--	3hrs	--	80	80
IV	Pattern making and Garment Construction-II	Skill	--	5hrs	--	100	100
V	Quality Control	Skill	3hrs	--	50	--	50
VI	Fashion Merchandising	Skill	3hrs	--	70	--	70
Total							400

Paper-I: COMMUNICATION SKILLS IN ENGLISH-I

Time: 3 Hours

Max. Marks: 50

Instructions for the Paper Setters:-

Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

The syllabus is divided in four sections as mentioned below:

Section–A

Reading Skills: Reading Tactics and strategies; Reading purposes–kinds of purposes and associated comprehension; Reading for direct meanings.

Section–B

Reading for understanding concepts, details, coherence, logical progression and meanings of phrases/ expressions.

Activities:

- Comprehension questions in multiple choice format
- Short comprehension questions based on content and development of ideas

Section–C

Writing Skills: Guidelines for effective writing; writing styles for application, personal letter, official/ business letter.

Activities

- Formatting personal and business letters.
- Organising the details in a sequential order

Section–D

Resume, memo, notices etc.; outline and revision.

Activities:

- Converting a biographical note into a sequenced resume or vice-versa
- Ordering and sub-dividing the contents while making notes.
- Writing notices for circulation/ boards

Recommended Books:

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

Paper-II: ਪੰਜਾਬੀ (ਲਾਜ਼ਮੀ)

ਸਮਾਂ : 3 ਘੰਟੇ

ਕੁਲ ਅੰਕ : 50

ਅੰਕ-ਵੰਡ ਅਤੇ ਪਰੀਖਿਅਕ ਲਈ ਹਦਾਇਤਾਂ

1. ਪ੍ਰਸ਼ਨ ਪੱਤਰ ਦੇ ਚਾਰ ਭਾਗ ਹੋਣਗੇ। ਹਰ ਭਾਗ ਵਿੱਚੋਂ ਦੋ ਪ੍ਰਸ਼ਨ ਚੁੱਛੇ ਜਾਣਗੇ।
2. ਵਿਦਿਆਰਥੀ ਨੇ ਕੁੱਲ ਪੰਜ ਪ੍ਰਸ਼ਨ ਕਰਨੇ ਹਨ। ਹਰ ਭਾਗ ਵਿੱਚੋਂ ਇੱਕ ਪ੍ਰਸ਼ਨ ਲਾਜ਼ਮੀ ਹੈ। ਪੰਜਵਾਂ ਪ੍ਰਸ਼ਨ ਕਿਸੇ ਵੀ ਭਾਗ ਵਿੱਚੋਂ ਕੀਤਾ ਜਾ ਸਕਦਾ ਹੈ।
3. ਹਰੇਕ ਪ੍ਰਸ਼ਨ ਦੇ ਬਰਾਬਰ ਅੰਕ ਹਨ।
4. ਪੇਪਰ ਸੈੱਟ ਕਰਨ ਵਾਲਾ ਜੇਕਰ ਚਾਹੇ ਤਾਂ ਪ੍ਰਸ਼ਨਾਂ ਦੀ ਵੰਡ ਅੱਗੋਂ ਵੱਧ ਤੋਂ ਵੱਧ ਚਾਰ ਉਪ-ਪ੍ਰਸ਼ਨਾਂ ਵਿੱਚ ਕਰ ਸਕਦਾ ਹੈ।

ਪਾਠ-ਕ੍ਰਮ ਅਤੇ ਪਾਠ-ਪੁਸਤਕਾਂ

ਸੈਕਸ਼ਨ-ਏ

ਆਤਮ ਅਨਾਤਮ (ਕਵਿਤਾ ਭਾਗ),
(ਸੰਪ. ਸੁਹਿੰਦਰ ਬੀਰ ਅਤੇ ਵਰਿਆਮ ਸਿੰਘ ਸੰਧੂ)
ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਯੂਨੀਵਰਸਿਟੀ, ਅੰਮ੍ਰਿਤਸਰ।
(ਪ੍ਰਸ਼ਗ ਸਾਹਤ ਵਿਆਖਿਆ, ਸਾਰ)

ਸੈਕਸ਼ਨ-ਬੀ

ਇਤਿਹਾਸਕ ਯਾਦਾਂ (ਇਤਿਹਾਸਕ ਲੇਖ-ਸੰਗ੍ਰਹਿ)
ਸੰਪਾ. ਸ.ਸ.ਅਮੋਲ,
ਪੰਜਾਬੀ ਸਾਹਿਤ ਪ੍ਰਕਾਸ਼ਨ, ਲੁਧਿਆਣਾ। (ਲੇਖ 1 ਤੋਂ 6)
(ਨਿਬੰਧ ਦਾ ਸਾਰ, ਲਿਖਣ-ਸੈਲੀ)

ਸੈਕਸ਼ਨ-ਸੀ

(ੳ) ਪੈਰ੍ਹਾ ਰਚਨਾ
(ਅ) ਪੈਰ੍ਹਾ ਪੜ੍ਹ ਕੇ ਪ੍ਰਸ਼ਨਾਂ ਦੇ ਉੱਤਰ।

ਸੈਕਸ਼ਨ-ਡੀ

(ੳ) ਪੰਜਾਬੀ ਧੁਨੀ ਵਿਉਂਤ : ਉਚਾਰਨ ਅੰਗ, ਉਚਾਰਨ ਸਥਾਨ ਤੇ ਵਿਧੀਆਂ, ਸਵਰ, ਵਿਅੰਜਨ,
ਸੁਰ-ਪ੍ਰਥਮ।
(ਅ) ਭਾਸ਼ਾ ਵੰਨਗੀਆਂ : ਭਾਸ਼ਾ ਦਾ ਟਕਸਾਲੀ ਰੂਪ, ਭਾਸ਼ਾ ਅਤੇ ਉਪ-ਭਾਸ਼ਾ ਦਾ ਅੰਤਰ, ਪੰਜਾਬੀ ਉਪਭਾਸ਼ਾਵਾਂ ਦੇ ਪਛਾਣ-ਚਿੰਨ੍ਹ।

Paper-II: ਮੁੱਢਲੀ ਪੰਜਾਬੀ
(In lieu of Compulsory Punjabi)

ਸਮਾਂ : 3 ਘੰਟੇ

ਕੁਲ ਅੰਕ: 50

ਅੰਕ-ਵੰਡ ਅਤੇ ਪਰੀਖਿਅਕ ਲਈ ਹਦਾਇਤਾਂ

1. ਪ੍ਰਸ਼ਨ ਪੱਤਰ ਦੇ ਚਾਰ ਭਾਗ ਹੋਣਗੇ। ਹਰ ਭਾਗ ਵਿੱਚੋਂ ਦੋ ਪ੍ਰਸ਼ਨ ਪੁੱਛੇ ਜਾਣਗੇ।
2. ਵਿਦਿਆਰਥੀ ਨੇ ਕੁੱਲ ਪੰਜ ਪ੍ਰਸ਼ਨ ਕਰਨੇ ਹਨ। ਹਰ ਭਾਗ ਵਿੱਚੋਂ ਇੱਕ ਪ੍ਰਸ਼ਨ ਲਾਜ਼ਮੀ ਹੈ। ਪੰਜਵਾਂ ਪ੍ਰਸ਼ਨ ਕਿਸੇ ਵੀ ਭਾਗ ਵਿੱਚੋਂ ਕੀਤਾ ਜਾ ਸਕਦਾ ਹੈ।
3. ਹਰੇਕ ਪ੍ਰਸ਼ਨ ਦੇ ਬਰਾਬਰ ਅੰਕ ਹਨ।
4. ਪੇਪਰ ਸੈੱਟ ਕਰਨ ਵਾਲਾ ਜੇਕਰ ਚਾਹੇ ਤਾਂ ਪ੍ਰਸ਼ਨਾਂ ਦੀ ਵੰਡ ਅੱਗੋਂ ਵੱਧ ਤੋਂ ਵੱਧ ਚਾਰ ਉਪ-ਪ੍ਰਸ਼ਨਾਂ ਵਿੱਚ ਕਰ ਸਕਦਾ ਹੈ।

ਪਾਠ-ਕ੍ਰਮ

ਸੈਕਸ਼ਨ-ਏ

ਪੈਂਤੀ ਅੱਖਰੀ, ਅੱਖਰ ਕ੍ਰਮ, ਪੈਰ ਬਿੰਦੀ ਵਾਲੇ ਵਰਣ ਅਤੇ ਪੈਰ ਵਿਚ ਪੈਣ ਵਾਲੇ ਵਰਣ ਅਤੇ ਮਾਤ੍ਰਵਾਂ (ਮੁੱਢਲੀ ਜਾਣ-ਪਛਾਣ)
ਲਗਾਖਰ (ਬਿੰਦੀ, ਟਿੱਪੀ, ਅੱਧਕ) : ਪਛਾਣ ਅਤੇ ਵਰਤੋਂ

ਸੈਕਸ਼ਨ-ਬੀ

ਪੰਜਾਬੀ ਸ਼ਬਦ-ਬਣਤਰ : ਮੁੱਢਲੀ ਜਾਣ-ਪਛਾਣ
(ਸਾਧਾਰਨ ਸ਼ਬਦ, ਸੰਯੁਕਤ ਸ਼ਬਦ, ਮਿਸ਼ਰਤ ਸ਼ਬਦ, ਮੂਲ ਸ਼ਬਦ, ਅਗੇਤਰ ਅਤੇ ਪਿਛੇਤਰ)

ਸੈਕਸ਼ਨ-ਸੀ

ਨਿੱਤ ਵਰਤੋਂ ਦੀ ਪੰਜਾਬੀ ਸ਼ਬਦਾਵਲੀ : ਬਾਜ਼ਾਰ, ਵਪਾਰ, ਰਿਸ਼ਤੇ-ਨਾਤੇ, ਖੇਤੀ ਅਤੇ ਹੋਰ ਧੰਦਿਆਂ ਆਦਿ ਨਾਲ ਸੰਬੰਧਤ।

ਸੈਕਸ਼ਨ-ਡੀ

ਹਫ਼ਤੇ ਦੇ ਸੱਤ ਦਿਨਾਂ ਦੇ ਨਾਂ, ਬਾਰ੍ਹਾਂ ਮਹੀਨਿਆਂ ਦੇ ਨਾਂ, ਰੁੱਤਾਂ ਦੇ ਨਾਂ, ਇਕ ਤੋਂ ਸੌ ਤਕ ਗਿਣਤੀ ਸ਼ਬਦਾਂ ਵਿਚ

Paper-II: Punjab History & Culture (From Earliest Times to C 320)
(Special Paper in lieu of Punjabi compulsory)
(For those students who are not domicile of Punjab)

Time: 3 Hours

Max. Marks: 50

Instructions for the Paper Setters:-

Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

Section A

1. Physical features of the Punjab and impact on history.
2. Sources of the ancient history of Punjab

Section B

3. Harappan Civilization: Town planning; social, economic and religious life of the India Valley People.
4. The Indo-Aryans: Original home and settlement in Punjab.

Section C

5. Social, Religious and Economic life during later *Rig* Vedic Age.
6. Social, Religious and Economic life during later Vedic Age.

Section D

7. Teaching and impact of Buddhism
8. Jainism in the Punjab

Suggested Readings

1. L. Joshi (ed): *History and Culture of the Punjab*, Art-I, Patiala, 1989 (3rd edition)
2. L.M. Joshi and Fauja Singh (ed); *History of Punjab* , Vol.I, Patiala 1977.
3. Budha Parkash : *Glimpses of Ancient Punjab*, Patiala, 1983.
4. B.N. Sharma: *Life in Northern India*, Delhi. 1966.

**Paper-III: Drug Abuse: Problem, Management and Prevention
(COMPULSORY PAPER)**

PROBLEM OF DRUG ABUSE

Time: 3 Hours

Max. Marks: 50

Instructions for the Paper Setters:-

Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

Section – A

Meaning of Drug Abuse:

Meaning, Nature and Extent of Drug Abuse in India and Punjab.

Section – B

Consequences of Drug Abuse for:

Individual	:	Education, Employment, Income.
Family	:	Violence.
Society	:	Crime.
Nation	:	Law and Order problem.

Section – C

Management of Drug Abuse:

Medical Management: Medication for treatment and to reduce withdrawal effects.

Section – D

Psychiatric Management: Counselling, Behavioural and Cognitive therapy.

Social Management: Family, Group therapy and Environmental Intervention.

References:

1. Ahuja, Ram (2003), *Social Problems in India*, Rawat Publication, Jaipur.
2. Extent, Pattern and Trend of Drug Use in India, Ministry of Social Justice and Empowerment, Government of India, 2004.
3. Inciardi, J.A. 1981. *The Drug Crime Connection*. Beverly Hills: Sage Publications.
4. Kapoor. T. (1985) *Drug epidemic among Indian Youth*, New Delhi: Mittal Pub.
5. Kessel, Neil and Henry Walton. 1982, *Alcoholism*. Harmond Worth: Penguin Books.
6. Modi, Ishwar and Modi, Shalini (1997) *Drugs: Addiction and Prevention*, Jaipur: Rawat Publication.

7. National Household Survey of Alcohol and Drug abuse. (2003) New Delhi, Clinical Epidemiological Unit, All India Institute of Medical Sciences, 2004.
8. Ross Coomber and Others. 2013, *Key Concept in Drugs and Society*. New Delhi: Sage Publications.
9. Sain, Bhim 1991, *Drug Addiction Alcoholism, Smoking obscenity* New Delhi: Mittal Publications.
10. Sandhu, Ranvinder Singh, 2009, *Drug Addiction in Punjab: A Sociological Study*. Amritsar: Guru Nanak Dev University.
11. Singh, Chandra Paul 2000. *Alcohol and Dependence among Industrial Workers*: Delhi: Shipra.
12. Sussman, S and Ames, S.L. (2008). *Drug Abuse: Concepts, Prevention and Cessation*, Cambridge University Press.
13. Verma, P.S. 2017, "*Punjab's Drug Problem: Contours and Characteristics*", Economic and Political Weekly, Vol. LII, No. 3, P.P. 40-43.
14. World Drug Report 2016, United Nations office of Drug and Crime.
15. World Drug Report 2017, United Nations office of Drug and Crime.

Bachelor of Vocation (B.Voc.)
(Fashion Technology) (Semester-I)

**Paper-IV: SEWING TECHNIQUES-I
(Practical)**

Time: 3 Hrs.

Marks: 50

1. **Basic Hand Stitches:** Tacking, running, even, uneven, hemming visible, back stitch, button hole, handover cast, Diagonal, Blanket stitch
2. **Seam and Seam Finishes:** Plain, Flat, Run and Fell, Run and hem, French, Counter.
3. **Application of Different Fasteners:** Button, Zipper, Hooks etc.
4. **Plackets:** Continuous, Two piece, Kurta Patti.
5. **Pockets:** Patch, Inseam, Flap, Kurta Pocket, Cross, Welt, Bound.
6. **Neckline Finishes :** Binding and Facing
7. **Fashion Details:** Darts, Tucks, Pleats, Gathers.

References:-

1. The Reader's Digest Association, Inc. "Complete guide to sewing".
2. www.craftsy.com

Bachelor of Vocation (B.Voc.)
(Fashion Technology) (Semester-I)

Paper-V: Fashion Art and Design Development

(Practical)

Time: 3Hrs

Marks: 50

Instructions to the Examiners/Paper Setters: Question paper will be set on the spot.

Course Content:

- Introduction to basic sketching techniques
- Enlargement and reduction of motifs
- Free hand sketching- flowers, flowerpots, leaves, landscapes (using different art media like pencils, crayons, poster colours, acrylic colours and oil pastels)
- Composition of floral, geometrical and abstract designs
- Preparation of colour wheel showing primary, secondary and tertiary colours
- Preparation of grey scales, tints and shades
- Development of designs using various colour schemes-
 - Monochromatic
 - Analogous/ Adjacent
 - Complementary- double and split complementary
 - Triad colour scheme
- Placement of motifs in repeat

References:

1. Bride M Whelan, "Color Harmony", Rockfort Publishers, 1992.
2. Gold Stein, "Art in Everyday life", IBH Publishing Co, Calcutta, 1992.
3. Ireland Patrick Jones, "Fashion Design Drawing and Presentation", B TBatsford, London, 1996.

Bachelor of Vocation (B.Voc.)
(Fashion Technology) (Semester-I)

Paper-VI: Pattern Making & Construction - I

(Practical)

Time: 3Hrs

Marks: 50

Instructions to the Examiners/Paper Setters: Question paper will be set on the spot.

Course Contents

Basics of pattern making

What is pattern making, basic points on body, how to take measurements, basic bodice and basic sleeve of kids (2 yrs.)

Infant's garment pattern making, layout and cutting and stitching of

- Bloomer
- Romper

Pattern making, layout, cutting and stitching of

- boy's bushirt
- boy's shorts

Casual wear

- to make patterns of a casual dress for girl aged 2 to 3 years(one)

Night wear

- to make patterns of a night dress for boy aged 5 to 6 years(one)

Party wear

- to make patterns of a party wear dress for girl aged 7 to 8 years and stitch it.(one)

Text & References:

- Doonga ji Deshpande
- Manmeet Sodhia
- Bela Kapoor
- Pattern Making for fashion Design – Helen Joseph Arm Strong

Bachelor of Vocation (B.Voc.)
(Fashion Technology) (Semester-I)

Paper-VII: CAD - I

(Practical)

Time: 3Hrs.

Marks: 50

Course Contents

SECTION A:

Adobe-Photoshop:-introduction - Photoshop Environment; Toolbox and Tools; Bitmap images and Vector graphics; Image size and resolution: Pixel Dimension, Image resolution, Monitor Resolution, Printer Resolution, Screen Frequency, File Size; Working with Image Files: Open the image files, Print Resolution, Save the Image Files; Duplication and Cropping the Image; File Compression; Image File Formats; Photoshop Images In Other Applications; Object Linking And Embedding (OLE); Palettes in Photoshop: Layer Palette, Channels Palette, Path Palette, History Palette, Action Palette, Picker Palette, Swatches Palette, Scratch.

Palette, Info Palette Working with Colour:-Colour modes and models: HSB model; RGB model: RGB mode; CMYK model: CMYK mode; * a * b model; Lab model; Bitmap mode; Grayscale mode; Dutton mode; Indexed color mode; Multichannel Mode; Colour gamut's; Monitor display:

Channel and bit depth; Conversion between bit depths; Conversion between Colour modes;

Conversion between color modes: Conversion between Grayscale and Bitmap mode, Grayscale image to bitmap mode, Predefine bitmap conversion method, Halftone screens for bitmap-mode

Images, Custom halftone screen for Bitmap-mode Image; Conversion to Indexed color;

Conversion option for indexed color images; Indexed color tables

Drawing and Editing:-Shapes; Work path; Shape layer; Creating a work path; Creating rasterized shapes; Using the shape tools; Saving custom shapes; PEN TOOL: Drawing a straight segments; Drawing curve; Freeform tool; The magnetic pen; Overlapping; Path palette: Editing Path; Selection of path segment; Moving; reshaping; deleting of path segments; Moving; reshaping; copying; and deleting path components; Aligning and distributing path components; Editing of anchor points; Managing paths (Photoshop); Converting paths to selection borders; Adding color to paths (photoshop); Painting tools; Brush tool; Customizing brush libraries; Creating and editing brushes; Setting brush options; Selecting a blending mode; Specifying opacity; pressure; exposure; Art history brush tool; Retouching tool; Smudge tool; Focus tools; Toning tools; Sponge tool; Erasing; Eraser tool; Magic eraser tool; Background eraser tool; Auto Erase option; Gradient filling; Applying a gradient fill; Creating gradient fills; Intermediate colors to a gradient; Gradient transparency; Noise gradient fills; Managing gradients; Paint Bucket Tool; Filling & Stroking; Filling Patterns; To fill the work canvas; To fill a selection with a pattern; Transforming and Manipulating objects; Transforming objects in two dimensions; Transforming objects in three dimensions; Transforming perspective; Specifying the Transform; Applying transformations; Freely transforming and previewing effects Layers, Channels, Masks:-Layers; Layers sets; Layer Palette: Viewing and Selection of Layers; Linking Layers; Creating a Layered image; Adding Layers; Duplicating of Layers; Grouping of Layers; Moving; Aligning the contents of Layers; Aligning & Distributing the contents of Linked; Editing of Layers; Locking of Layers; Clipping of

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Layers; Specifying Layer properties; Layer Style dialog box; Blending Options: Specifying Fill Opacity;-Specifying Knock Options; Blending of Channels; Grouping Blend effects; Specifying range of Blend Layers; Layer Style;

Displaying Layer Styles; Palette Styles; Managing Layer Style; Applying Layer Style; Channels and Masks; Channel palette; Selecting and Editing Channels; Managing Channels: Changing the order of Channels; Duplicating of channels; Splitting of Channels; Merging of Channels; Deleting of Channels; Mixing of Colour Channels; Adding Spot colors; Creating spot Channel~; Modifying of Spot Channels; Channel Calculations to blend Layers and Channels; Blending Modes; Masks; Quick Mask Mode; Quick Mask Options; Storing Masks; Saving a Masks

Selection; Alpha Channels.

Filters for special effects:-Plug-in Filters; Blending Filter Effects; Loading Images and textures; Types of Filters; Lighting Effects type; Choosing a Lighting Effects type; Lighting Effects; Texture

Text in Image Editing:- Type tool; Paragraph Type: Type layers; Rasterizing Type Layers; Warping Type layers; Creating work path from type; Converting type to shapes; Formatting characters; Changing the case; Formatting Paragraphs; Aligning and Justifying type; Indenting Paragraphs; Paragraph Space; Hyphenation and Justification; Adjusting Hyphenation; Preventing unwanted word breaks; Adjusting spacing; Working with composition; Every line Composer; Single-line Composer

Section B

Photoshop:

- (A) Study tools in detail
- (B) Simulate any 5 designs of kids on any one theme.(casual wear, night wear or party wear)
- (C) Design mood board of the collection based on the theme selected.

Books Recommended:

Software Manual

Text & References Computer Fundamentals Introduction to Computer Microsoft Office Computer- Aided Pattern Design & Product Development by Pradeep/ Priti Sinha by Peter Nortonby Russell

A. Stultz by Alison & Terry Bond

BPB Publication Tata Mc Grawhill BPB Publication

Paper-VIII: Concept of Fashion and Textiles - I

(Theory)

Time: 3Hrs

Marks: 100

Instructions for the Paper Setters:-

Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

Course content:

SECTION-A

- Fashion Terminologies – Style, Haute-Couture, Pret-a porter, Mass Production, FAD, Silhouette, Boutique, Croquie, Mannequin.
- Fashion: Definition and importance

SECTION-B

- Factors affecting fashion
- Difference in fashion and anti-fashion

SECTION-C

- Introduction to different methods of fabric construction
- Loom – Definition, Principle, Parts, Types (shuttle and shuttle less looms)and Operations

SECTION- D

- Introduction and manufacturing process of yarn
- Types of yarns- simple, fancy, texture
- Weaving – Definition, Principle and Process
 - Basic Weaves – Plain weave, Twill weave, Satin weave and Sateen weave
 - Novelty/Fancy Weave – Pile weave and its types, Double cloth weave, Leno and Gauge weave, Jacquard weave, Dobby weave , Swivel Weave, Lappet weave and Crepe weave

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References:

1. Elaine stone, "The Dynamics of Fashion", Fairchild Publications (2008).
2. Craik ,J., "The Face of Fashion", New York:Routledge,1994.
3. FringsG.S.(1982), "Fashionfromconceptttoconsumer",PrenticeHallInc.,Englewood cliffs, New Jersey.
4. Flugel, J., "The Psychology of clothes", London: Hogarth Press.
5. Brathes,R., "The Fashion System", New York : Hill and Wang, Farrar, Straws and Giroux(1983)
6. Vilensky, "Textile Science, CBS Publication, New Delhi,1999.
7. Mishra S.P., "A Textbook of Fiber Science and Technology", New Age Intl., New Delhi 2000.
8. Eric Oxtoby , " Spun Yarns, Technology and Applications, Wiley-Inter Science, NY,1978.
9. Corbman, " Textile fiber to fabric" McGraw Hill PG Tartora, Understanding Textiles"
10. PG Tartora, "Understanding Textiles"

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PAPER-I: COMMUNICATION SKILLS IN ENGLISH-II

Time: 3 Hours

Max. Marks: 50
Theory Marks: 35
Practical Marks: 15

Instructions for the Paper Setters:-

Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

Course Contents:

SECTION-A

Listening Skills: Barriers to listening; effective listening skills; feedback skills.

Activities: Listening exercises – Listening to conversation, News and TV reports

SECTION-B

Attending telephone calls; note taking and note making.

Activities: Taking notes on a speech/lecture

SECTION-C

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.

Activities: 1) Making conversation and taking turns

2) Oral description or explanation of a common object, situation or concept

SECTION-D

The study of sounds of English,
Stress and Intonation,
Situation based Conversation in English,
Essentials of Spoken English.

Activities: Giving Interviews

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 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.

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Paper-II: ਪੰਜਾਬੀ (ਲਾਜ਼ਮੀ)

ਸਮਾਂ : 3 ਘੰਟੇ

ਕੁਲ ਅੰਕ : 50

ਅੰਕ-ਵੰਡ ਅਤੇ ਪਰੀਖਿਅਕ ਲਈ ਹਦਾਇਤਾਂ

1. ਪ੍ਰਸ਼ਨ ਪੱਤਰ ਦੇ ਚਾਰ ਭਾਗ ਹੋਣਗੇ। ਹਰ ਭਾਗ ਵਿੱਚੋਂ ਦੋ ਪ੍ਰਸ਼ਨ ਪੁੱਛੇ ਜਾਣਗੇ।
2. ਵਿਦਿਆਰਥੀ ਨੇ ਕੁੱਲ ਪੰਜ ਪ੍ਰਸ਼ਨ ਕਰਨੇ ਹਨ। ਹਰ ਭਾਗ ਵਿੱਚੋਂ ਇੱਕ ਪ੍ਰਸ਼ਨ ਲਾਜ਼ਮੀ ਹੈ। ਪੰਜਵਾਂ ਪ੍ਰਸ਼ਨ ਕਿਸੇ ਵੀ ਭਾਗ ਵਿੱਚੋਂ ਕੀਤਾ ਜਾ ਸਕਦਾ ਹੈ।
3. ਹਰੇਕ ਪ੍ਰਸ਼ਨ ਦੇ ਬਰਾਬਰ ਅੰਕ ਹਨ।
4. ਪੇਪਰ ਸੈੱਟ ਕਰਨ ਵਾਲਾ ਜੇਕਰ ਚਾਹੇ ਤਾਂ ਪ੍ਰਸ਼ਨਾਂ ਦੀ ਵੰਡ ਅੱਗੋਂ ਵੱਧ ਤੋਂ ਵੱਧ ਚਾਰ ਉਪ-ਪ੍ਰਸ਼ਨਾਂ ਵਿੱਚ ਕਰ ਸਕਦਾ ਹੈ।

ਪਾਠ-ਕ੍ਰਮ ਅਤੇ ਪਾਠ-ਪੁਸਤਕਾਂ

ਸੈਕਸ਼ਨ-ਏ

ਆਤਮ ਅਨਾਤਮ (ਕਹਾਣੀ ਭਾਗ),
(ਸੰਪ. ਸੁਹਿੰਦਰ ਬੀਰ ਅਤੇ ਵਰਿਆਮ ਸਿੰਘ ਸੰਧੂ)
ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਯੂਨੀਵਰਸਿਟੀ, ਅੰਮ੍ਰਿਤਸਰ।
(ਵਿਸ਼ਾ-ਵਸਤੂ, ਪਾਤਰ ਚਿਤਰਨ)

ਸੈਕਸ਼ਨ-ਬੀ

ਇਤਿਹਾਸਕ ਯਾਦਾਂ (ਇਤਿਹਾਸਕ ਲੇਖ-ਸੰਗ੍ਰਹਿ)
ਸੰਪਾ. ਸ.ਸ.ਅਮੋਲ,
ਪੰਜਾਬੀ ਸਾਹਿਤ ਪ੍ਰਕਾਸ਼ਨ, ਲੁਧਿਆਣਾ। (ਲੇਖ 7 ਤੋਂ 12)
(ਸਾਰ, ਲਿਖਣ ਸ਼ੈਲੀ)

ਸੈਕਸ਼ਨ-ਸੀ

(ੳ) ਸ਼ਬਦ-ਬਣਤਰ ਅਤੇ ਸ਼ਬਦ ਰਚਨਾ : ਪਰਿਭਾਸ਼ਾ, ਮੁੱਢਲੇ ਸੰਕਲਪ
(ਅ) ਸ਼ਬਦ ਸੂਚੀ

ਸੈਕਸ਼ਨ-ਡੀ

(ੳ) ਸੰਖੇਪ ਰਚਨਾ
(ਅ) ਮੁਹਾਵਰੇ ਅਤੇ ਅਖਾਣ

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Paper-II: ਮੁੱਢਲੀ ਪੰਜਾਬੀ
(In lieu of Compulsory Punjabi)

ਸਮਾਂ: 3 ਘੰਟੇ

ਕੁਲ ਅੰਕ: 50

ਅੰਕ-ਵੰਡ ਅਤੇ ਪਰੀਖਿਅਕ ਲਈ ਹਦਾਇਤਾਂ

1. ਪ੍ਰਸ਼ਨ ਪੱਤਰ ਦੇ ਚਾਰ ਭਾਗ ਹੋਣਗੇ। ਹਰ ਭਾਗ ਵਿੱਚੋਂ ਦੋ ਪ੍ਰਸ਼ਨ ਪੁੱਛੇ ਜਾਣਗੇ।
2. ਵਿਦਿਆਰਥੀ ਨੇ ਕੁੱਲ ਪੰਜ ਪ੍ਰਸ਼ਨ ਕਰਨੇ ਹਨ। ਹਰ ਭਾਗ ਵਿੱਚੋਂ ਇੱਕ ਪ੍ਰਸ਼ਨ ਲਾਜ਼ਮੀ ਹੈ। ਪੰਜਵਾਂ ਪ੍ਰਸ਼ਨ ਕਿਸੇ ਵੀ ਭਾਗ ਵਿੱਚੋਂ ਕੀਤਾ ਜਾ ਸਕਦਾ ਹੈ।
3. ਹਰੇਕ ਪ੍ਰਸ਼ਨ ਦੇ ਬਰਾਬਰ ਅੰਕ ਹਨ।
4. ਪੇਪਰ ਸੈੱਟ ਕਰਨ ਵਾਲਾ ਜੇਕਰ ਚਾਹੇ ਤਾਂ ਪ੍ਰਸ਼ਨਾਂ ਦੀ ਵੰਡ ਅੱਗੋਂ ਵੱਧ ਤੋਂ ਵੱਧ ਚਾਰ ਉਪ-ਪ੍ਰਸ਼ਨਾਂ ਵਿੱਚ ਕਰ ਸਕਦਾ ਹੈ।

ਪਾਠ-ਕ੍ਰਮ

ਸੈਕਸ਼ਨ-ਏ

ਸ਼ਬਦ ਸ਼੍ਰੇਣੀਆਂ : ਪਛਾਣ ਅਤੇ ਵਰਤੋਂ
(ਨਾਂਵ, ਪੜਨਾਂਵ, ਕਿਰਿਆ, ਵਿਸ਼ੇਸ਼ਣ, ਕਿਰਿਆ ਵਿਸ਼ੇਸ਼ਣ, ਸਬੰਧਕ, ਯੋਜਕ ਅਤੇ ਵਿਸਮਿਕ)

ਸੈਕਸ਼ਨ-ਬੀ

ਪੰਜਾਬੀ ਵਾਕ ਬਣਤਰ : ਮੁੱਢਲੀ ਜਾਣ-ਪਛਾਣ
(ੳ) ਸਾਧਾਰਨ ਵਾਕ, ਸੰਯੁਕਤ ਵਾਕ ਅਤੇ ਮਿਸ਼ਰਤ ਵਾਕ (ਪਛਾਣ ਅਤੇ ਵਰਤੋਂ)
(ਅ) ਬਿਆਨੀਆ ਵਾਕ, ਪ੍ਰਸ਼ਨਵਾਚਕ ਵਾਕ ਅਤੇ ਹੁਕਮੀ ਵਾਕ (ਪਛਾਣ ਅਤੇ ਵਰਤੋਂ)

ਸੈਕਸ਼ਨ-ਸੀ

ਪੈਰ੍ਹਾ ਰਚਨਾ
ਸੰਖੇਪ ਰਚਨਾ

ਸੈਕਸ਼ਨ-ਡੀ

ਚਿੱਠੀ ਪੱਤਰ (ਘਰੇਲੂ ਅਤੇ ਦਫ਼ਤਰੀ)
ਅਖਾਣ ਅਤੇ ਮੁਹਾਵਰੇ

Bachelor of Vocation (B.Voc)
(Fashion Technology) (Semester-II)

Paper-II: Punjab History & Culture (C 321 to 1000 A.D.)
(Special Paper in lieu of Punjabi compulsory)
(For those students who are not domicile of Punjab)

Time: 3 Hours

Max. Marks : 50

Instructions for the Paper Setters:-

Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

Section A

1. Punjab under Chandragupta Maurya and Ashoka.
2. The Kushans and their Contribution to the Punjab.

Section B

3. The Panjab under the Gupta Emperor.
4. The Punjab under the Vardhana Emperors

Section C

5. Political Developments 7th Century to 1000 A.D. (Survey of Political) Institutions
6. Socio-cultural History of Punjab from 7th to 1000 A.D.

Section D

7. Development of languages and Literature.
8. Development of art & Architecture

Suggested Readings

1. L. Joshi (ed): *History and Culture of the Punjab*, Art-I, Patiala, 1989 (3rd edition)
2. L.M. Joshi and Fauja Singh (ed); *History of Punjab*, Vol.I, Patiala 1977.
3. Budha Parkash : *Glimpses of Ancient Punjab*, Patiala, 1983.
4. B.N. Sharma: *Life in Northern India*, Delhi. 1966.

Bachelor of Vocation (B.Voc)
(Fashion Technology) (Semester-II)

Paper-III: Drug Abuse: Problem, Management and Prevention
(COMPULSORY PAPER)

DRUG ABUSE: MANAGEMENT AND PREVENTION

Time: 3 Hours

Max. Marks: 50

Instructions for the Paper Setters:-

Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

Section – A

Prevention of Drug abuse:

Role of family: Parent child relationship, Family support, Supervision, Shaping values, Active Scrutiny.

Section – B

School: Counselling, Teacher as role-model. Parent-teacher-Health Professional Coordination, Random testing on students.

Section – C

Controlling Drug Abuse:

Media: Restraint on advertisements of drugs, advertisements on bad effects of drugs, Publicity and media, Campaigns against drug abuse, Educational and awareness program

Section – D

Legislation: NDPs act, Statutory warnings, Policing of Borders, Checking Supply/Smuggling of Drugs, Strict enforcement of laws, Time bound trials.

References:

1. Ahuja, Ram (2003), *Social Problems in India*, Rawat Publication, Jaipur.
2. Extent, Pattern and Trend of Drug Use in India, Ministry of Social Justice and Empowerment, Government of India, 2004.
3. Inciardi, J.A. 1981. *The Drug Crime Connection*. Beverly Hills: Sage Publications.
4. Kapoor. T. (1985) *Drug epidemic among Indian Youth*, New Delhi: Mittal Pub.
5. Kessel, Neil and Henry Walton. 1982, *Alcoholism*. Harmond Worth: Penguin Books.
6. Modi, Ishwar and Modi, Shalini (1997) *Drugs: Addiction and Prevention*, Jaipur: Rawat Publication.

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7. National Household Survey of Alcohol and Drug abuse. (2003) New Delhi, Clinical Epidemiological Unit, All India Institute of Medical Sciences, 2004.
8. Ross Coomber and Others. 2013, *Key Concept in Drugs and Society*. New Delhi: Sage Publications.
9. Sain, Bhim 1991, *Drug Addiction Alcoholism, Smoking obscenity* New Delhi: Mittal Publications.
10. Sandhu, Ranvinder Singh, 2009, *Drug Addiction in Punjab: A Sociological Study*. Amritsar: Guru Nanak Dev University.
11. Singh, Chandra Paul 2000. *Alcohol and Dependence among Industrial Workers*: Delhi: Shipra.
12. Sussman, S and Ames, S.L. (2008). *Drug Abuse: Concepts, Prevention and Cessation*, Cambridge University Press.
13. Verma, P.S. 2017, "*Punjab's Drug Problem: Contours and Characteristics*", Economic and Political Weekly, Vol. LII, No. 3, P.P. 40-43.
14. World Drug Report 2016, United Nations office of Drug and Crime.
15. World Drug Report 2017, United Nations office of Drug and Crime.

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(Fashion Technology) (Semester-II)

Paper- IV: SEWING TECHNIQUES-II
(Practical)

Time: 3Hrs.

Marks: 50

Instructions for the Examiner/ Paper Setters. Practical will be set on the spot.

Course content:

I. Taking body measurements

II. Yokes: With fullness and without fullness.

III. Drafting and Constructions of Collars:

- Peter Pan
- Baby Collar
- Cape Collar
- Mandarin

IV. Drafting and Constructions of Sleeves:

- Puff
- Bell
- Cap
- Magyar

V. Drafting, layout and Construction (step wise) of gathered frock (2 yr. old -choice of collar and sleeve)

References:

1. Baker E, Loui A and Punch card V 91976) Complete Guide to Sewing. The Reader's Digest Association Inc, New York.
2. Doonga ji and Deshpande R(1991) Basic Process of Clothing Construction. Raj Parkashan, New Delhi.
3. Mullick P L (2002) Garment Construction Skills. Kalyani Publishers, New Delhi.
4. Thomas A (1996) The Art OF Sewing. UBS Publishers, New Delhi.
5. Verma K D and Verma G (1999) Cutting and Tailoring. Asian Publishers, New Delhi.
6. Mazumdar L and Vatsala R (2004) Fundamentals of Clothing Construction. Indian Council of Agricultural Research, New Delhi.

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**Paper- V: Fashion Illustration & Design Development
(Practical)**

Time: 3Hrs

Marks: 50

Instructions to the Examiners/Paper Setters: Question paper will be set on the spot.

Course Content:

SECTION A: ILLUSTRATION KIDS

- Kids croquis boy and girl (Age group – infant, toddler, 2 years, 5 years and 8 years)
- Make poses
- Face, arms, legs, hands, hair style, features, feet.

SECTION B: BABY TEXTURES AND RENDERING

- Bring fabrics from market and learn to render them
- Create your own baby textures.

SECTION C: DESIGNING OF KIDS WEAR

- Dress rendering on croquis (one each)
 - Casual Wear – age 2 to 3 years (boy and Girl)
 - Night Suit – age 5 to 6 years (boy and Girl)
 - Party Wear – age 7 to 8 years (boy and Girl)
- Use of various design details and learn how to sketch on croquis.

Reference Book

1. 9 heads by Kathryn Hagen
2. Patrick John Ireland
3. Allen Seaman- fashion drawing
4. Fashion illustration and Rendering by Bina Abling.

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Paper- VI: PORTFOLIO DEVELOPMENT (kids)

(Practical)

Time: 3Hrs

Marks: 50

Instructions to the Examiners/Paper Setters: Question paper will be set on the spot.

Course Contents

Instructions to the Internal Faculty: The art portfolio is an expression of a student's creativity, design/ ability, technical expertise, illustration and presentation skills. It should exhibit the student's inclination towards the particular segment of the industry by identifying the target customers, design requirements and pricing. It should ideally comprise of 30-35 sheets keeping the following points in mind.

Uniform Format: It is important to keep all the sheets of the same size to maintain visual continuity. Sheets should be grouped separately and systematically either horizontally or vertically. This ensures uniformity of presentation. The presentation of the portfolio depends on the contents and also on layouts. The end result should look very neat and professional.

The Portfolio must include:

Design Development

- Curriculum Vita
- Page of Contents
- Theme of the project
- Mood board, Story Board, Ideation Board, Colour Palette and Fabric Chart. Research
- Finalization of Theme
- Sourcing
- Finalization of designs
- Measurements and specification sheets
- Thumbnails. (Of working drawings)
- There should be inclusion of designs for Kids. (Collection of 5 designs with any one theme)
- Flat working drawings, specification sheets showing technical strength are vitally important. Line planning, Fabric Indications, Fabric Consumption detailed measurement charts etc are all essential. These are to be used in conjunction with croquies.
- The Collection is to be based on innovative fabric combinations, surface texture and ornamentation. It is very important that the designs and embroidery motifs be original.

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Pattern Development

Development of blocks

- Pattern making and layout Product Development (whatever designed should be done in the subject of in Pattern Making – any one Design from collection)

Construction on actual fabric (whatever designed should be constructed in the subject of in Garment Construction - any one Design from collection)

Photo Shoot (of the stitched dress)

Accessories (to be designed in the subject of Workshop)

Reference Books

1. Tata Sharon Lee, “Inside Fashion Design”, 1977, Francisco Canfield Press.
2. Ireland, Patrick John, Fashion Design Drawing and Presentation, 1996, B.T. Batsford London.

Further Reading:

3. Allen and Seaman, Fashion Drawing – the Basic Principles, 1994, B.T. Batsford, London.
4. Seaman, Julian, Professional Fashion Illustration, 1995, B.T. Batsford, London.
5. Drake and Nicholas, “Fashion Illustrations”, 1995, Thames and Husdon, London.
6. AblingBina, Fashion Sketch Book, 2006, by Fairchild publication.
7. Vogue Sketch Catalogue McCall’s Sewing in Colour, 1971, Butterick Publishing Co.
8. Singer Sewing Book, 1943, Mary Brooks Picken, Kessinger Publishing.
9. Measure, Cut and Sew, Holt Rinehart and Winson.1922, McMillain Publishing Company.
10. Bray N., Dress Pattern Designing, 2003 (5th edition) Willey Blackwell.
11. Helen Joseph Armstrong, Pattern Making for Fashion Design, 2005, Prentice Hall.
12. Tata Sharon Lee, “Inside Fashion Design”, 1977, Francisco Canfield Press,.
13. Ireland Patrick John, Fashion Design Drawing and Presentation”, 1996, B.T.Batsford London. 8) Seaman, Julian, Professional Fashion Illustration, 1995, B.T. Batsford London,
14. Drake and Nicholas, “Fashion Illustartion”, 1994, Thames and Hudson London. Further Reading
15. Bernard Zamkoff, Basic Pattern Skills for Fashion Design 1997, Fairchild Publication,
16. Ernestine Koff, Design Apparel through Flat Pattern, 2006, Cole Publishing Co.
17. Martin Shoben, Pattern Cutting & Making Up, 1987, Butterworth, Heimeneman.
18. Hilde Jaffe, Draping for Fashion Design, 2007, Claudia Barbara.
19. Ireland, Patrick John, Fashion Design Drawing and Presentation 1996,” B.T. Batsford, London.
20. ElisabettaDrudi, T.Paci, “Figure Drawing for Fashion”, 2002, The Pepin Press.
21. BinaAbling, Fashion Illustration, 2008, Fairchild Publication.
22. BinaAbling, Fashion Rendering with Color, 200, Fairchild Publication.
23. Thames & Husdon, Vogue Sketch Catalogue, 1911, Si New House.

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(Fashion Technology) (Semester-II)

Paper- VII: CAD - II

(Practical)

Time: 4 Hrs

Marks: 50

Course Contents

Corel Draw:-Introduction-What is Corel Draw? Starting with Corel Draw; Working with Corel Draw;-Creating Graphic Objects and Drawing:-Drawing Objects; Drawing Spirals; Drawing Lines and curves with the freehand tool; Lines and curves using the Bezier Tool; selecting an object; moving the objects; shaping the objects; working with colors; filing; outlining

Working With Text:-Adding paragraph Adding paragraph text to fixed sized frames; Adding paragraph text to automatic sized frames; Text Conversion; Artistic text to paragraph text; Artistic text to curves; Adding; modifying and removing the text; Line thickness; Distance between line and text; Superscript; Subscript; Text Case; Text spacing; spacing after paragraph; text alignment Transformation:-Categories of transformation; skewing; mirroring; welding; blending; transparency; contouring; lenses; perspective; power clips; formatting; import dialogue box options Object Organization:-Cloning; grouping and ungrouping; combining and breaking; locking and unlocking; object manager; layer manager

New features of Corel Draw IO:-Customization; tools; text handling; image optimizer; color and printing.

Corel draw: designing & rendering fashion details showing like:

- (A) Collars
- (B) Sleeves
- (C) Skirts
- (D) Trousers
- (E) Top

1. Study tools in detail
2. Make design specification sheets of your portfolio collection in corel draw.

Books Recommended:

Software manual

Text & References Computer Fundamentals Introduction to Computer Microsoft Office Computer- Aided Pattern Design & Product Development by Pradeep / Priti Sinha by Peter Norton by Russell A. Stultz by Alison & Terry Bond BPB Publication Tata McGraw Hill BPB Publication

Bachelor of Vocation (B.Voc)
(Fashion Technology) (Semester-II)

Paper- VIII: Concept of Fashion and Textiles - II

(Theory)

Time: 3Hrs

Marks: 100

Instructions for the Paper Setters:-

Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

Course content:

SECTION-A

- Fashion Cycle
- Fashion Theories- Trickle down, Trickle across and Bottom up theory
- Define Fashion forecasting
- Long Term Forecasting
- Short Term Forecasting

SECTION-B

- Fashion psychology- first impression, role of social and psychological aspect of clothing
- Sociological choice of clothing as affected by nationality, tradition, class, Consciousness and occupation.

SECTION-C

- Knitting – Definition and Techniques (Warp, Weft and their types)
- Felting – Definition, Manufacturing Process, Properties and Uses
- Bonding – Definition, Manufacturing Process, Properties and Uses

SECTION-D

- Decorative way of fabric construction
 - Lacemaking
 - Netting
 - Braiding
 - Knotting

Bachelor of Vocation (B.Voc)
(Fashion Technology) (Semester-II)

References:

1. Elaine stone, "The Dynamics of Fashion", Fairchild Publications (2008).
2. Craik,J., "The Face of Fashion", New York:Routledge,1994.
3. FringsG.S.(1982),"Fashionfromconcepttoconsumer",PrenticeHallInc.,Englewood cliffs, New Jersey.
4. Flugel, J., "The Psychology of clothes", London: Hogarth Press.
5. Brathes,R., "The Fashion System", New York: Hill and Wang, Farrar, Straws and Giroux(1983)
6. Vilensky, "Textile Science, CBS Publication, New Delhi,1999.
7. Mishra S.P., "A Textbook of Fiber Science and Technology", New Age Intl., New Delhi 2000.
8. Eric Oxtoby, "Spun Yarns, Technology and Applications, Wiley-Inter Science, NY,1978.
9. Corbman, "Textile fiber to fabric" Mc Graw Hill

**Bachelor of Vocation (B.Voc)
(Fashion Technology) (Semester-III)**

**Paper I: Computer Fundamentals
(Practical)**

Max. Marks: 50

**Time: 3 Hrs.
6 Periods/week**

**Instructions for the Examiner/Paper Setters:
Question Paper will be set on the spot.**

Course Content

Unit I

Introduction to Windows:- Basics, Windows Accessories, using file and program Manager, Computer applications in various fields of Fashion Industry.

MS-Word: Overview, creating, saving, opening, importing, exporting and inserting files, formatting pages, paragraphs and sections, indents and outdents, creating lists and numbering. Headings, styles, fonts and font size Editing, positioning and viewing texts, finding and replacing text, inserting page breaks, page numbers, book marks, symbols and dates. Using tabs and tables, header, footer and printing.

MS-Power Point: Presentation Overview, entering information, presentation creation, opening and saving presentation, power point elements, exploring power point menu, working with dialog boxes, saving presentation, printing slides view, slide sorter view, notes view, outline view, formatting and enhancing text formatting, inserting audio and video.

Unit-II

Corel Draw: Corel tools (Pick, shape, knife, Eraser, Zoom, Freehand, Natural Pen, Dimensions, ellipse, Polygon etc.).

Transformation, Trimming, Welding, intersection of objects, snapping, using object manager.

Internet : Internet and its working, working of WWW, Web browsing (opening, viewing, saving and printing web page and bookmark), search engines.

Text Books:

1. R.K Taxali: Introduction to software packages, Galgotia Publications.
2. MS-Office 2003, BPB Publications.

Bachelor of Vocation (B.Voc)
(Fashion Technology) (Semester-III)

Paper II: Needle Craft
(Practical)

Max. Marks: 75

Time: 4 Hrs.

6 Periods/week

Instructions to the Examiners/Paper Setters:

Paper will be set on the spot.

Course Content:

Making one sample of each

- Satin Stitch
- Chain Stitch
- Stem Stitch
- Laisy dasy
- Long and Short
- Cross Stitch
- French Knot
- Bullion Knot
- Herring Bone
- Feather Stitch
- Cut Work
- Glass Work
- Couching
- Drawn Thread Work
- Applique Work
- Patch Work
- Quilting
- Smoking
- Ribbon Work
- Beads and Sequins Work
- Crochet – Single, Double, Circular

References:

1. Naik Shailaja, “Traditional Embroideries of India”, APH Publishing Corporation, New Delhi, 1996.
2. Snook Barbara, “Creative Art of Embroidery”, Numbley 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.

Bachelor of Vocation (B.Voc)
(Fashion Technology) (Semester-III)

Paper-III: Pattern Making and Garment Construction-I
(Theory)

Time: 3 Hrs.
3 Periods/week

Max. Marks:125
Theory:50
Practical:75

Instructions for the Examiners/Paper Setters:

There will be 7 questions in all. Students are required to attempt 5 questions (10 Marks each).

Course Content of Theory:

- Introduction to pattern making
- Tools used in pattern making
- Terminology used in pattern making- Pattern drafting, flat pattern making, template, working pattern, production pattern, pattern chart, grain, dart, dart legs, dart intake, vertical lines, horizontal lines, perpendicular lines, style number, pattern size
- Advantages of pattern making
- Points to be kept in mind while using paper pattern
- Basics of Commercial paper pattern
 - Pattern Envelope
 - Pattern Marking
 - Pattern Layout
 - Pattern alternation
- Fabric estimation & its importance
- Fitting
 - Principles of good fit
 - Various fitting problems and their remedies.

Bachelor of Vocation (B.Voc)
(Fashion Technology) (Semester-III)

Paper-III: Pattern Making and Garment Construction-I
(Practical)

Time : 5Hrs

Marks :75

6 periods/week

Instructions for the Examiner/ Paper Setters.

Practical will be set on the spot.

Course content:

1. Developing industrial paper pattern for kids:

- A Line Frock
- Night Suit

2. Drafting, layout and Construction of following Garments for Kids (with specification sheet and cost sheet):

- A-Line Frock
- Party Wear Frock
- Night suit
- Sun Suit
- Any garment of kids on order.

References:

1. Thomas Anna Jacob , “ The Art of Sewing”, UBS Publishers Distributors Ltd., New Delhi,1994
2. Readers digest sewing book
3. Verma G., “Cutting and Tailoring Theory”, Asian Publishers, Delhi, 1999.
4. Armstrong Helen Joseph, “Pattern making for fashion designing”
5. Mullick Prem Lata , “ Garment construction Skills”

**Bachelor of Vocation (B.Voc)
(Fashion Technology) (Semester-III)**

**Paper-IV: Knitting Technology
(Theory)**

**Time: 3 Hrs.
6 Periods/week**

**Max. Marks: 75
Theory: 50
Practical: 25**

Instructions for paper setters

There will be 7 questions in all. Students are required to attempt 5 questions (10 Marks each).

Course content:

- Introduction to Knitting Technology, difference between Knits and Woven, terms used in
- Knitting.
- Indian Knitting Industry – past, present and future.
- Hand Knitting.
- Basic weft knit stitches – single jersey, rib, purl, interlock, float and tuck stitches
- Basic warp knit stitches – under lap, overlap, closed lap, open lap.
- Comparison of Warp and weft knitting.
 - Knitting Machines – weft and Warp Knitting machines.
 - Knitted fabrics defects

**Bachelor of Vocation (B.Voc)
(Fashion Technology) (Semester-III)**

**Paper-IV: Knitting Technology
(Practical)**

Time : 4Hrs

Marks :25

6 periods/week

Instructions for the Examiner/ Paper Setters.

Practical will be set on the spot.

Course content:

.Knitting – introduction, terminology, hand knitting tools, material, techniques, types of knitting

- Making hand knitting samples of following techniques-
 - Diagonal
 - Ribs
 - Laces
 - Cables
 - Cross (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.

Bachelor of Vocation (B.Voc)
(Fashion Technology) (Semester-III)

Paper V: Fashion Design and Illustration-I
(Practical)

Max. Marks: 75

Time: 4 Hrs.
6 Periods/week

Instructions to the Examiners/Paper Setters:
Paper will be set on the spot by the examiner.

Course Content:

- Basic block figure- Kids
- Flesh figure- Kids
- Draping of child Croquie
- Making of different types of prints for kidswear
- Figure Stylization-Basic croquies (females), division of the body to make 8 head, 10 head, 12 head figure and fleshing out body
- Formulation of hands, feet, legs, arms, faces and hairstyles(female)
- Fashion details - Gathers, frills, flounces, tucks and pleats.

References:

1. Bride M Whelan, "Color Harmony", Rockfort Publishers, 1992.
2. Gold Stein, "Art in Everyday life", IBH Publishing Co, Calcutta, 1992.
3. Ireland, Patrick John, "Fashion Drawing and Presentation", B.T. Batsford, London, 1996.
4. Elizabeth Drudi , T Pack, " Figure Drawing for Fashion", The Pepin Press
5. Allen and Seaman, "Fashion Drawing –the Basic Principles", B.T. Batsford, London, 1994.
6. Seaman,Julian , " Professional Fashion Illustration", B.T. Batsford,London,1995
7. Drake and Nicholas, " Fashion Illustration", Thames and Hudson , London,1994
8. Abling Bina, " Fashion Sketch Book"
9. Ritu, " Fashion Drawing and Illustrations ", Indica Publishers

Bachelor of Vocation (B.Voc)
(Fashion Technology) (Semester-III)

Paper-VI: ESL-221 : Environmental Studies (Compulsory Paper)
(Student can opt this Paper whether in 3rd or 4th Semester)

Time: 3 Hrs.

Max. Marks: 100

Teaching Methodologies

The Core Module Syllabus for Environmental Studies includes class room teaching and field work. The syllabus is divided into 8 Units [Unit-1 to Unit-VII] covering 45 lectures + 5 hours for field work [Unit-VIII]. The first 7 Units will cover 45 lectures which are class room based to enhance knowledge skills and attitude to environment. Unit-VIII comprises of 5 hours field work to be submitted by each candidate to the Teacher in-charge for evaluation latest by 15 December, 2018.

Exam Pattern: End Semester Examination- 75 marks
Project Report/Field Study- 25 marks [based on submitted report]
Total Marks- 100

The structure of the question paper being:

Part-A, Short answer pattern with inbuilt choice – 25 marks

Attempt any five questions out of seven distributed equally from Unit-1 to Unit-VII. Each question carries 5 marks. Answer to each question should not exceed 2 pages.

Part-B, Essay type with inbuilt choice – 50 marks

Attempt any five questions out of eight distributed equally from Unit-1 to Unit-VII. Each question carries 10 marks. Answer to each question should not exceed 5 pages.

Project Report / Internal Assessment:

Part-C, Field work – 25 marks [Field work equal to 5 lecture hours]

The candidate will submit a hand written field work report showing photographs, sketches, observations, perspective of any topic related to Environment or Ecosystem. The exhaustive list for project report/area of study are given just for reference:

1. Visit to a local area to document environmental assets: River / Forest/ Grassland / Hill / Mountain / Water body / Pond / Lake / Solid Waste Disposal / Water Treatment Plant / Wastewater Treatment Facility etc.
2. Visit to a local polluted site – Urban / Rural / Industrial / Agricultural
3. Study of common plants, insects, birds
4. Study of tree in your areas with their botanical names and soil types
5. Study of birds and their nesting habits
6. Study of local pond in terms of wastewater inflow and water quality
7. Study of industrial units in your area. Name of industry, type of industry, Size (Large, Medium or small scale)
8. Study of common disease in the village and basic data from community health centre
9. Adopt any five young plants and photograph its growth
10. Analyze the Total dissolved solids of ground water samples in your area.
11. Study of Particulate Matter (PM_{2.5} or PM₁₀) data from Sameer website. Download from Play store.
12. Perspective on any field on Environmental Studies with secondary data taken from Central Pollution Control Board, State Pollution Control Board, State Science & Technology Council etc.

Bachelor of Vocation (B.Voc)
(Fashion Technology) (Semester-III)

Unit-I

The multidisciplinary nature of environmental studies

Definition, scope and importance, Need for public awareness

(2 lectures)

Unit-II

Natural Resources: Renewable and non-renewable resources:

Natural resources and associated problems.

- (a) Forest resources: Use and 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, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies.
- (e) Energy resources: Growing energy needs, renewable and non-renewable energy sources, use of alternate energy sources, case studies.
- (f) 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.

(8 Lectures)

Unit-III

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 ecosystem: Forest ecosystem, Grassland ecosystem, Desert ecosystem, Aquatic ecosystems (ponds, streams, lakes, rivers, ocean estuaries)

(6 Lectures)

Unit-IV

Biodiversity and its conservation

- Introduction – Definition: genetic, species and ecosystem diversity
- Biogeographical classification of India
- Value of biodiversity: consumptive use, productive use, social, ethical aesthetic and option values
- 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 endemic species of India
- Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity

(8 Lectures)

Bachelor of Vocation (B.Voc)
(Fashion Technology) (Semester-III)

Unit-V

Environmental Pollution

Definition

- Causes, effects and control measures of Air pollution, Water pollution, Soil pollution, Marine pollution, Noise pollution, Thermal pollution, Nuclear pollution
- 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

(8 Lectures)

Unit-VI

Social Issues and the Environment

- From unsustainable to sustainable development
- Urban problems and 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, 1986
- Air (Prevention and Control of Pollution) Act, 1981
- Water (Prevention and control of Pollution) Act, 1974
- Wildlife Protection Act
- Forest Conservation Act
- Issues involved in enforcement of environmental legislation
- Public awareness

(7 Lectures)

Unit-VII

Human Population and the Environment

- Population growth, variation among nations
- Population explosion – Family Welfare Programmes
- 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

(6 Lectures)

Bachelor of Vocation (B.Voc)
(Fashion Technology) (Semester-III)

Unit-VIII

Field Work

- 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

(Field work equal to 5 lecture hours)

References:

1. Bharucha, E. 2005. Textbook of Environmental Studies, Universities Press, Hyderabad.
2. Down to Earth, Centre for Science and Environment, New Delhi.
3. Heywood, V.H. & Waston, R.T. 1995. Global Biodiversity Assessment, Cambridge House, Delhi.
4. Joseph, K. & Nagendran, R. 2004. Essentials of Environmental Studies, Pearson Education (Singapore) Pte. Ltd., Delhi.
5. Kaushik, A. & Kaushik, C.P. 2004. Perspective in Environmental Studies, New Age International (P) Ltd, New Delhi.
6. Rajagopalan, R. 2011. Environmental Studies from Crisis to Cure. Oxford University Press, New Delhi.
7. Sharma, J. P., Sharma. N.K. & Yadav, N.S. 2005. Comprehensive Environmental Studies, Laxmi Publications, New Delhi.
8. Sharma, P. D. 2009. Ecology and Environment, Rastogi Publications, Meerut.
9. State of India's Environment 2018 by Centre for Sciences and Environment, New Delhi
10. Subramanian, V. 2002. A Text Book in Environmental Sciences, Narosa Publishing House, New Delhi.

Bachelor of Vocation (B.Voc)
(Fashion Technology) (Semester-IV)

Paper-I: Personality Development
(Theory)

Time: 3 Hours
6 Periods/week

Max. Marks: 50

Instructions for paper setters

There will be 7 questions in all. Students are required to attempt 5 questions (10 Marks each).

Course Content:

- Personality
 - Introduction to personality
 - Types of personality (with reference to Jung's theory)
 - Factors affecting personality(hereditary/environmental)
- Working on personality changes- "can personality change?"
 - Focusing on attitude
 - Staying motivated
 - Increasing confidence
 - Stress management(coping and handling stress)
 - Watching body language
- Inner vision- 'self'(ideal self/real self)
 - Self(with reference to Roger's Self Theory)
 - Self efficacy
 - Locus of control
 - Assertiveness Training
- Emotion
 - What is emotion and physiological correlates of emotion
 - Emotional intelligence
 - Emotion stability
- Knowing your own Personality Strengths and Weaknesses, using them at home, career and relationships

Suggested Readings:

1. Morgan, G.T. King P.A., Weisz T.R., Schopler, J. (1999), Introduction to Psychology – McGraw Hill Book.Co., New York.
2. Hall, S.S. & Lindzey (1969) Theories of Personality, Wiley Eastern Ltd. New Delhi.
3. Sarason, IG and Sarason, B.R. (2002). Abnormal Psychology, Prentice Hall of India – New Delhi.

Bachelor of Vocation (B.Voc)
(Fashion Technology) (Semester-IV)

Paper-II: Computer Aided Designing(CAD)-I
(Practical)

Time: 3 Hrs.

Max. Marks: 50

6 Periods/week

Instructions to the Examiners/Paper Setters:

Paper will be set on the spot by the examiner.

Course Content

Corel Draw

- Introduction- tools of Corel Draw
- Opening and Saving file
- Importing and exporting files
- Colour palette and detailed use of colour fill
- Creating various textures
 - Denim
 - Net
 - Corduroy
 - Leather
 - Velvet
- Creating Patterns (2 sheets each)
 - Geometrical
 - Floral
 - Nursery
 - Traditional
 - Abstract

References:

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

Bachelor of Vocation (B.Voc)
(Fashion Technology) (Semester-IV)

Paper-III: Draping and Garment Construction
(Theory)

Time: 3 Hrs.
3 Periods/week

Max. marks:125
Theory:50
Practical: 75

Instructions for paper setters

There will be 7 questions in all. Students are required to attempt 5 questions (10 Marks each).

Course Content for Theory:

- Draping
 - Introduction to draping- Tools, equipments used in draping
 - Draping terminology.
 - Preparation of muslin for draping.
 - Points to be kept in mind while draping.
 - Advantages and disadvantages of draping.
- Fabric preparation for garment construction
- Handling special fabrics
- Dart manipulation
- Lining, interlining and underlining
- Facing and interfacing
- Principles of layout, correct method of laying pattern on the material

Bachelor of Vocation (B.Voc)
(Fashion Technology) (Semester-IV)

Paper-III: Draping and Garment Construction
(Practical)

Time : 5Hrs

Marks :75

9 Periods/week

Instructions to the Examiners/Paper Setters:

Paper will be set on the spot by the examiner.

1. Drafting of Adult's basic bodice block and sleeve

2. Drafting, layout and construction of the following garments:

- Petticoat (6 panels)
- Kameez Salwar
- Kurta and Churidar pajama

3. Preparation of commercial paper pattern of

- Kameez Salwar
- Kurta

4. Draping

- Introduction to draping
- Preparation of muslin for draping.
- Draping of basic bodice block- front and back.
- Draping of basic skirt block- front and back.
- Bodice variation: princess line, cowl neck line.

References:

1. Thomas Anna Jacob , “ The Art of Sewing”, UBS Publishers Distributors Ltd.,NewDelhi,1994
2. Readers digest sewing book
3. Verma G., “Cutting and Tailoring Theory”, Asian Publishers, Delhi, 1999.
4. Armstrong Helen Joseph, “Pattern making for fashion designing”
5. Mullick Prem Lata , “ Garment construction Skills”

Bachelor of Vocation (B.Voc)
(Fashion Technology) (Semester-IV)

Paper-IV: History of costumes
(Theory)

Theory
Time: 3 Hrs.
6 Periods/week

Max. Marks:100
Theory:50
Practical:50

Instructions for the Examiners/Paper Setters:

There will be 7 questions in all. Students are required to attempt 5 questions (10 Marks each).

Course Content for Theory:

.Study of costumes from earlier times to present time.

.Indian Costumes

.Indus Valley Period

.Mauryan and Sunga Period

.Gupta Period

.Mughal Period

.British Period

• Costumes of various regions of India-

✓ North zone-Punjab, Himachal Pradesh

✓ East zone- Assam, West Bengal

✓ West zone- Maharashtra, Gujarat

✓ South zone- Kerala, Karnataka

.Western Costumes -

✓ Greek

✓ Roman

✓ Egyptian

Bachelor of Vocation (B.Voc)
(Fashion Technology) (Semester-IV)

Paper-IV: History of Costumes
(Practical)

Time : 4Hrs
6 Periods/week

Marks :50

Instructions to the Examiners/Paper Setters:
Paper will be set on the spot by the examiner.

Course content:

.Sketch costumes for men and women and accessories for the following:

- ✓ Indus valley civilization.
- ✓ British period
- ✓ Mauryan
- ✓ Mughal

.Sketch costumes and accessories for various regions of India-

- ✓ North zone- Punjab
- ✓ East zone- Assam
- ✓ West zone- Gujarat
- ✓ South zone- Karnataka

.Preparation of any three accessories (as per latest trends)

References:

1. Baker, G A (2000) A Handbook of Costume Drawing, Focal Press, Blackwell Leeds.
2. Singh Kiran, "Textiles in Ancient India", Vishwa Vidyalaya.
3. Oar S.N., "Costumes of India and Pakistan", OB Tataporevala Sons and Co. Ltd, 1982.
4. Kumar Ritu, "Costumes & Textiles of Royal India", Christies Book Ltd, London, 1999.
5. Ghurey, G.S., "Indian Costumes", The Popular Book Depot.
6. Chandermoti, "History of Indian Costumes"
7. Peacock John, "Fashion Accessories - Men", Thames and Hudson, London, 1996.
8. Peacock John, "The Complete 20" Century Source Book", Thames and Hudson, London,
9. 2000.
10. Bradley, Carlon G., Western World Costumes, 1995, British commonwealth.
11. The Victoria and Albert Museum,s Textile Collection Brirish Textiles from 1850 to 1900, by Linda parey V and A Publications.

Bachelor of Vocation (B.Voc)
(Fashion Technology) (Semester-IV)

Paper-V: Fashion Design and Illustration-II
(Practical)

Time: 4 Hrs.

Max. Marks:75

6 Periods/week

Instructions to the Examiners/Paper Setters:

Paper will be set on the spot.

Course Content:

- . Sketching of various garment details – collars, necklines, sleeves, cuffs
- . Sketching of accessories- footwears, bags, belts, headgears, jewellery (female)
- . Flat sketching of tops, skirts and trousers..
- . Rendering Texture of fabrics –Wool, Net, Velvet, Leather, silk, Corduroy, Fur
- . Costume Anatomy (style lines)
- . Silhouette - A Line, Funnel shaped, Circular, Straight, Rectangular, Hour Glass
- Garment draping on fashion figures.

References:

1. Bride M Whelan, “Color Harmony”, Rockfort Publishers, 1992.
2. Gold Stein, “Art in Everyday life”, IBH Publishing Co, Calcutta, 1992.
3. Ireland, Patrick John, “Fashion Drawing and Presentation”, B.T. Batsford, London, 1996.
4. Elizabeth Drudi , T Pack, “ Figure Drawing for Fashion”, The Pepin Press
5. Allen and Seaman, “Fashion Drawing –the Basic Principles”, B.T. Batsford, London, 1994.
6. Seaman,Julian ,“ Professional Fashion Illustration”, B.T. Batsford,London,1995
7. Drake and Nicholas, “ Fashion Illustration”, Thames and Hudson , London,1994
8. Abling Bina, “ Fashion Sketch Book”
9. Ritu, “ Fashion Drawing and Illustrations “, Indica publishers

Bachelor of Vocation (B.Voc)
(Fashion Technology) (Semester-IV)

Paper-V: ESL-221 : Environmental Studies (Compulsory Paper)
(Student can opt this Paper whether in 3rd or 4th Semester)

Time: 3 Hrs.

Max. Marks: 100

Teaching Methodologies

The Core Module Syllabus for Environmental Studies includes class room teaching and field work. The syllabus is divided into 8 Units [Unit-1 to Unit-VII] covering 45 lectures + 5 hours for field work [Unit-VIII]. The first 7 Units will cover 45 lectures which are class room based to enhance knowledge skills and attitude to environment. Unit-VIII comprises of 5 hours field work to be submitted by each candidate to the Teacher in-charge for evaluation latest by 15 December, 2018.

Exam Pattern: End Semester Examination- 75 marks
Project Report/Field Study- 25 marks [based on submitted report]
Total Marks- 100

The structure of the question paper being:

Part-A, Short answer pattern with inbuilt choice – 25 marks

Attempt any five questions out of seven distributed equally from Unit-1 to Unit-VII. Each question carries 5 marks. Answer to each question should not exceed 2 pages.

Part-B, Essay type with inbuilt choice – 50 marks

Attempt any five questions out of eight distributed equally from Unit-1 to Unit-VII. Each question carries 10 marks. Answer to each question should not exceed 5 pages.

Project Report / Internal Assessment:

Part-C, Field work – 25 marks [Field work equal to 5 lecture hours]

The candidate will submit a hand written field work report showing photographs, sketches, observations, perspective of any topic related to Environment or Ecosystem. The exhaustive list for project report/area of study are given just for reference:

1. Visit to a local area to document environmental assets: River / Forest/ Grassland / Hill / Mountain / Water body / Pond / Lake / Solid Waste Disposal / Water Treatment Plant / Wastewater Treatment Facility etc.
2. Visit to a local polluted site – Urban / Rural / Industrial / Agricultural
3. Study of common plants, insects, birds
4. Study of tree in your areas with their botanical names and soil types
5. Study of birds and their nesting habits
6. Study of local pond in terms of wastewater inflow and water quality
7. Study of industrial units in your area. Name of industry, type of industry, Size (Large, Medium or small scale)
8. Study of common disease in the village and basic data from community health centre
9. Adopt any five young plants and photograph its growth
10. Analyze the Total dissolved solids of ground water samples in your area.
11. Study of Particulate Matter (PM_{2.5} or PM₁₀) data from Sameer website. Download from Play store.
12. Perspective on any field on Environmental Studies with secondary data taken from Central Pollution Control Board, State Pollution Control Board, State Science & Technology Council etc.

Bachelor of Vocation (B.Voc)
(Fashion Technology) (Semester-IV)

Unit-I

The multidisciplinary nature of environmental studies

Definition, scope and importance, Need for public awareness

(2 lectures)

Unit-II

Natural Resources: Renewable and non-renewable resources:

Natural resources and associated problems.

- (a) Forest resources: Use and 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, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies.
- (e) Energy resources: Growing energy needs, renewable and non-renewable energy sources, use of alternate energy sources, case studies.
- (f) 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.

(8 Lectures)

Unit-III

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 ecosystem: Forest ecosystem, Grassland ecosystem, Desert ecosystem, Aquatic ecosystems (ponds, streams, lakes, rivers, ocean estuaries)

(6 Lectures)

Unit-IV

Biodiversity and its conservation

- Introduction – Definition: genetic, species and ecosystem diversity
- Biogeographical classification of India
- Value of biodiversity: consumptive use, productive use, social, ethical aesthetic and option values
- 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 endemic species of India
- Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity

(8 Lectures)

Unit-V

Bachelor of Vocation (B.Voc)
(Fashion Technology) (Semester-IV)

Environmental Pollution

Definition

- Causes, effects and control measures of Air pollution, Water pollution, Soil pollution, Marine pollution, Noise pollution, Thermal pollution, Nuclear pollution
- 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

(8 Lectures)

Unit-VI

Social Issues and the Environment

- From unsustainable to sustainable development
- Urban problems and 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, 1986
- Air (Prevention and Control of Pollution) Act, 1981
- Water (Prevention and control of Pollution) Act, 1974
- Wildlife Protection Act
- Forest Conservation Act
- Issues involved in enforcement of environmental legislation
- Public awareness

(7 Lectures)

Unit-VII

Human Population and the Environment

- Population growth, variation among nations
- Population explosion – Family Welfare Programmes
- 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

(6 Lectures)

Bachelor of Vocation (B.Voc)
(Fashion Technology) (Semester-IV)

Unit-VIII

Field Work

- 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

(Field work equal to 5 lecture hours)

References:

1. Bharucha, E. 2005. Textbook of Environmental Studies, Universities Press, Hyderabad.
2. Down to Earth, Centre for Science and Environment, New Delhi.
3. Heywood, V.H. & Waston, R.T. 1995. Global Biodiversity Assessment, Cambridge House, Delhi.
4. Joseph, K. & Nagendran, R. 2004. Essentials of Environmental Studies, Pearson Education (Singapore) Pte. Ltd., Delhi.
5. Kaushik, A. & Kaushik, C.P. 2004. Perspective in Environmental Studies, New Age International (P) Ltd, New Delhi.
6. Rajagopalan, R. 2011. Environmental Studies from Crisis to Cure. Oxford University Press, New Delhi.
7. Sharma, J. P., Sharma. N.K. & Yadav, N.S. 2005. Comprehensive Environmental Studies, Laxmi Publications, New Delhi.
8. Sharma, P. D. 2009. Ecology and Environment, Rastogi Publications, Meerut.
9. State of India's Environment 2018 by Centre for Sciences and Environment, New Delhi
10. Subramanian, V. 2002. A Text Book in Environmental Sciences, Narosa Publishing House, New Delhi.

**Bachelor of Vocation (B.Voc)
(Fashion Technology)(Semester-V)**

**Paper-I: Human Values in Education
(Theory)**

Time: 3 Hours

Max. Marks: 50

Instructions for paper setters

There will be 7 questions in all. Students are required to attempt 5 questions. (10 Marks each)

Course Content:

- Universal human aspirations: Happiness and prosperity.
- Human values and ethics: Concept, definition, significance and sources.
- Fundamental values: Right conduct, peace, truth, love and non violence.
- Ethics: Professional, environmental, ICT.
- Sensitization towards others particularly senior citizens, developmentally challenged and gender.
- Spirituality, positive attitude and scientific temper.
- Team work and volunteering. Rights and responsibilities.
- Road safety- initiatives, measures and hurdles. Traffic rules, road rage.
- Kohlberg's theory of Moral development.
- Human relations and family harmony.
- Modern challenges and value conflict.

Suggested readings:

1. Tripathi, A. N. (2009). Human values. New Age Publishers, New Delhi.
2. Gaur, R.R., Sangal, R. and Bagaria, G.P. (2010). A Foundation course in Human Values and Professional ethics. Excel Books Publishers, New Delhi.
3. Gogate, S.B. (2010). Human Values and Professional Ethics. New Age Publishers, New Delhi.

**Bachelor of Vocation (B.Voc)
(Fashion Technology)(Semester-V)**

**Paper-II: Basics of E- Business
(Theory)**

Max. Marks:50

Time: 3 Hrs.

Instructions for paper setters

There will be 7 questions in all. Students are required to attempt 5 questions. (10 Marks each)

Course Contents:

- Commerce –meaning, aids and aids to trade
- Introduction to e-commerce – meaning and concept
- Business uses of internet – Advantages and Disadvantages.
- Comparing traditional commerce and e-commerce.
- Types of e-commerce
- Social Impact of e-commerce.
- E-Payment- cash & currency serves, e-cheques, credit cards, smart cards, debit cards and electronic purses.

References: -

1. Agarwala, K.N. and DeekshaArarwala: Business on the Net: What's and How's of E-Commerce; Macmillan, New Delhi.
2. Agarwala, K.N. and DeekshaArarwala: Business on the Net: Bridge to the Online Storefront: Macmillian, New Delhi.
3. Ravi Kalakota, Andrew B. Whinston: Frontiers of Electronic Commerce: Addison Wesley.

**Bachelor of Vocation (B.Voc)
(Fashion Technology)(Semester-V)**

**Paper-III: Computer Aided Designing (CAD)-II
(Practical)**

Time: 3 Hrs

**Total Marks :50
Practical:50**

**Instructions to the Examiners/Paper Setters:
Paper will be set on the spot.**

Corel Draw/Photoshop

- Basic female croquis (block and flesh)
- Designing of following fashion details and apply various textures and colours effects
 - Collars- peterpan, high bias, mandarin, shirt
 - Sleeves-set-in, ruffle, bell, dolman, raglan
 - Skirts- straight, a-line, pleated, gathered, hip rider
 - Trousers-jeans, straight pants, jump suit, jodhpuri
 - Pockets- patch, flap, cross, slit
 - Accessories- bags, belts, bows, caps, shoes

References:

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

Bachelor of Vocation (B.Voc)
(Fashion Technology)(Semester-V)

Paper-IV: Garment Construction and Care
(Theory)

Time: 3 Hrs.

Total marks:130
Theory:50
Practical:80

Instructions for paper setters

There will be 7 questions in all. Students are required to attempt 5 questions (10 Marks each).

Course content:

- **Aesthetics in dress**
 - i) Elements of design in clothing
 - ii) Principles of design in clothing
- **Selection of suitable clothes**
 - i) Factors affecting selection of clothes
 - ii) Selection of clothing for different age groups
- **Care and storage of garments**
 - i) General points to be kept in mind regarding care of the garments
 - ii) Laundry of different garments
 - Cotton
 - Silk
 - Wool
 - Synthetic
 - iii) Storage of garments
 - iv) Starches and blues
- **Stain removal**
 - i) Types of stains
 - ii) Methods of removing different stains
 - iii) Points to be kept in mind while removing stains
- **Wardrobe planning**

**Bachelor of Vocation (B.Voc)
(Fashion Technology)(Semester-V)**

**Paper-IV: Garment Construction and Care
(Practical)**

Time: 5 Hrs.

Practical Marks:80

**Instructions for the Examiner/ Paper Setters.
Practical will be set on the spot.**

Course content:

- Adaptation of adult's basic bodice block to designer blouse
- Basic dart manipulation techniques
- Construction of designer blouse using dart manipulation
- Design development, style reading, drafting, layout and construction of following garments:
 - Lehnga
 - Night suit / Nigthy
 - Tunic

References:

1. Baker E, Loui A and Punchcard V 91976) Complete Guide to Sewing. The Reader's Digest Association Inc, New York.
2. Doongaji and Deshpande R(1991) Basic Process of Clothing Construction. Raj Parkashan, New Delhi.
3. Mullick P L (2002) Garment Construction Skills. Kalyani Publishers, New Delhi.
4. Thomas A (1996) The Art OF Sewing. UBS Publishers, New Delhi.
5. Verma K D and Verma G (1999) Cutting and Tailoring. Asian Publishers, New Delhi.
6. Mazumdar L and Vatsala R (2004) Fundamentals of Clothing Construction. Indian Council of Agricultural Research, New Delhi.

**Bachelor of Vocation (B.Voc)
(Fashion Technology)(Semester-V)**

**Paper-V: Portfolio
(Practical)**

Time: 4 Hrs.

**Total marks:70
Practical :70**

**Instructions for the Examiner/ Paper Setters.
Practical will be set on the spot.**

Course content:

Part-A

- Collage making of any two themes like culture, traditional textile designs, environment, current issues, historic period, festivals and occasions, monuments
- Taking inspiration from selected themes prepare mood board, colour board and swatch board and Ideation Board
- Illustrate garments on the croquies (4-5 sheets of each theme)

Part-B

- Case study of famous national and international designers (2 each)

References:

- Tata Sharon Lee, "Inside Fashion Design", 1977, Francisco Canfield Press.
- Ireland, Patrick John, Fashion Design Drawing and Presentation, 1996, B.T. Batsford London
- Allen and Seaman, Fashion Drawing – the Basic Principles, 1994, B.T. Batsford, London.
- Seaman, Julian, Professional Fashion Illustration, 1995, B.T. Batsford, London.
- Drake and Nicholas, "Fashion Illustrations", 1995, Thames and Husdon, London
- Abling Bina, Fashion Sketch Book, 2006, by Fairchild publication.

Bachelor of Vocation (B.Voc)
(Fashion Technology)(Semester-V)

Paper-VI: Fashion Industry, Marketing and Management
(Theory)

Total marks:50

Theory:50

Time: 3 Hrs.

Instructions for paper setters

There will be 7 questions in all. Students are required to attempt 5 questions (10 Marks each).

Course content:

Part-A

1. Introduction to fashion industry
2. Indian and global fashion market
3. Levels of fashion industry- couture, ready to wear, mass production
4. Career in fashion industry

Part-B

1. Introduction to marketing
2. Nature and scope of marketing
3. Marketing concepts
4. Fashion market and marketing environment
5. Fashion marketing planning
6. Marketing research

Part-C

1. Management- concept, principles, characteristics
2. Exhibitions, fashion show
3. Retailing- department stores, apparel specialty store, discount retailing, direct selling, internet selling, catalogue selling

References:

1. Merchandise Buying & Management, John Donnellan, 2001, Fairchild Books,.
2. Kitty G. Dickerson, Inside The Fashion Business, 7th Edition, 2003 Prentice hall
3. Elaine Stone, The Dynamics of Fashion, 2004, Fairchild.
4. Jay Diamond; Ellon Diamond, The World of Fashion , 2007, Fairchild.
5. Gini Stephens Frings, Fashion from Concepts to Consumer, 1982, Prentice hall.

Bachelor of Vocation (B.Voc)
(Fashion Technology)(Semester-VI)

Paper-I: Entrepreneurship
(Theory)

Total marks:50

Theory:50

Time: 3 Hrs.

Instructions for paper setters

There will be 7 questions in all. Students are required to attempt 5 questions. (10 Marks each)

Entrepreneurship and Entrepreneur:-

- Definition, meanings and functions of an entrepreneur
- Role of Entrepreneurship in economic development
- Traits of a good entrepreneur
- Innovation and entrepreneurship, entrepreneurial behavior and motivation

Project Planning

- Meaning and importance of a business plan
- Contents of a business plan
- Factors affecting site selection
- Entrepreneurial development programmes- their relevance and achievements. Role of government in organizing such programmes
- Government policies for women entrepreneurs and formalities in setting up a unit

Project Financing and Viability

- Project cost – (fixed and working capital requirement) and estimation of cost production
- Profitability of the project
- Contribution of commercial banks in promoting and services in small business

References-

1. Entrepreneurship development, Moharanas and Dash C.R., RBSA Publishing, Jaipure
2. Entrepreneurship, Hisrich Peters Sphephard, Tata McGraw Hill
3. Fundamentals of entrepreneurship, S.K. Mohanty, Prentice Hall of India
4. A Guide to Entrepreneurship, David Oates, Jaico Publishing House, Mumbai, Edn 2009

Bachelor of Vocation (B.Voc)
(Fashion Technology)(Semester-VI)

Paper-II: Internet Applications in Business
(Theory)

Time: 3 Hrs.

Total marks:50
Theory:50

Instructions for paper setters

There will be 7 questions in all. Students are required to attempt 5 questions. (10 Marks each)

Course Contents:

- Online marketing-
 - Mobile marketing
 - Advertising
 - Social networking
- E-commerce in fashion designing
- E-commerce in business models
 - Business to business e- commerce
 - Consumer to consumer e-commerce
 - Business to consumer e-commerce
- Product and Subject digitization
- Remote Servicing and Procurement
- Supply Chain / Value Chain Management
- Cyber Laws – aims, features and importance

References:

1. Efrain Turbson, Jae Lee, David King, Chung: Electronic Commerce- A Managerial Perspective, Prentice- Hall International.
2. Greestein, Feinnman: Electronic Commerce, Tata McGraw- Hill.
3. Jeffrey F. Rayport, Bernard J. Jaworski: E- commerce, Tata McGraw Hill.

**Bachelor of Vocation (B.Voc)
(Fashion Technology)(Semester-VI)**

**Paper-III: Computer Aided Designing (CAD)-III
(Practical)**

Time: 3 Hrs.

**Total marks:80
Practical:80**

**Instructions for the Examiner/ Paper Setters.
Practical will be set on the spot.**

Course content:

Corel Draw/Photoshop

- Designing of different female outfits(2 sheets each)- using Different Textures.
 - Casual wear
 - Sports wear
 - Office wear
 - Night wear
 - Party wear
 - Ethnic wear

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.

**Bachelor of Vocation (B.Voc)
(Fashion Technology)(Semester-VI)**

**Paper IV: Pattern making and Garment Construction- II
(Practical)**

Time: 5 Hrs.

**Total marks:100
Practical:100**

**Instructions for the Examiner/ Paper Setters.
Practical will be set on the spot.**

Course content:

1. Pattern making and garment construction of the following:

- Basic skirt and its variations
 - Pleated skirt with yoke
 - Tiered skirt
- Trouser

2. Design and construct two garments as per latest trends

References:

1. Baker E, Loui A and Punchcard V (1976) Complete Guide to Sewing. The Reader's Digest Association Inc, New York.
2. Doongaji and Deshpande R(1991) Basic Process of Clothing Construction. Raj Parkashan, New Delhi.
3. Mullick P L (2002) Garment Construction Skills. Kalyani Publishers, New Delhi.
4. Thomas A (1996) The Art OF Sewing. UBS Publishers, New Delhi.
5. Verma K D and Verma G (1999) Cutting and Tailoring. Asian Publishers, New Delhi.
6. Mazumdar L and Vatsala R (2004) Fundamentals of Clothing Construction. Indian Council of Agricultural Research, New Delhi.
7. Helen Joseph Armstrong, "Draing for Apparel Design", Fairchild Publications(2008).
8. Connie Amaden-Crawford, "The Art of Fashion Draping", Fairchild Publications.

**Bachelor of Vocation (B.Voc)
(Fashion Technology)(Semester-VI)**

Paper V: Quality Control

(Theory)

Time: 3 Hrs.

Max. Marks: 50

Instructions for paper setters

There will be 7 questions in all. Students are required to attempt 5 questions (10 Marks each).

Course content:

- Introduction to quality control- definition of quality, importance of quality assurance, stages of quality control in apparel industry
- Quality assurance parameters- dimensions, shrinkage and colour fastness
- Garment inspection using different methods
- Applying quality assurance programmes in fabric department, production and finishing department
- Fabric defects- knitted, woven, dyeing and printing
- Packaging-importance and various material used for packaging

References:

1. J V Rao (2008) Quality Evaluation. NITRA.
2. Jewel Paul (2005) Textile Testing. APH Publishing Corporation.
3. Metha, V Pradip, "Quality control in Apparel industry", NIFT Pub., New Delhi, 2001.
4. Carr Harold and Latham Barbara, "The technology of clothing manufacturer", Oxford Pub. USA,1994.
5. Chuttler AJ," Introduction to clothing production Management', Blackwell Science, U.K., 1998.

**Bachelor of Vocation (B.Voc)
(Fashion Technology)(Semester-VI)**

Paper VI: Fashion Merchandising

(Theory)

Time: 3 Hrs.

Max. Marks: 70

Instructions for paper setters

There will be 7 questions in all. Students are required to attempt 5 questions (14 Marks each).

Course content:

- Overview of the garment industry and its organization (design, Production and marketing)
- Meaning of Fashion merchandising – the activities involved
- Role of merchandiser, qualities and responsibilities of fashion merchandiser
- Planning Cycle, merchandize planner
- Trend prediction-
 - Colour forecasting
 - Sales forecasting
- Sectors of garment industry
 - Design department- Forecasting, designing and collection planning
 - Sampling department- Pattern making, grading and sampling, technology, construction of sample format and product costing
- Visual merchandising and its advantages

References:

1. Elaine Stone, Jeans A samples, “Fashion Merchandising”, McGraw Hill Books, 1985.
2. Colbornbe Robert, “Visual Merchandising: The Business of Merchandise Presentation”, Thomas Delmar Learning, USA.
3. Packard, S.Winters, A. & Axelord, “Fashion Buying and Merchandising”, Fairchild Publications, New York (1980)