

FACULTY OF SCIENCES

SYLLABUS

FOR

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

Examinations: 2019-20



GURU NANAK DEV UNIVERSITY AMRITSAR

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

SCHEME

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.	Pr.	Total	
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.

SEMESTER-III

Semester-III

**(Aligned with level 6 of Sector Skill Council – Qualification Pack – Export Manager
(AMH/Q 1603))**

Paper	Subject	Component	Time		Marks		
			Th.	Pr.	Th.	Pr.	Total
PAPER-I	Human Values in Education	General Education	3hrs	--	100	--	100
PAPER-II	Pattern Making and Development - I	Skill	--	3hrs	--	50	50
PAPER-III	Apparel Construction - I	Skill	--	3hrs	-	50	50
PAPER-IV	Fashion Design and Illustration - I	Skill	--	3hrs	--	50	50
PAPER-V	Computer Applications - I	Skill	--	3hrs	--	50	50
PAPER-VI	Fashion Industry Marketing and Management	Skill	3 Hrs.		100	-	100
Total							400

SEMESTER-IV

(Aligned with level 6 of Sector Skill Council – Qualification Pack – Export Manager
(AMH/Q 1603))

Paper Code	Subject	Component	Time		Marks		
			Th.	Pr.	Th.	Pr.	Total
I	*ESL-221 : Environmental Studies (Compulsory)	General Education	3hrs	--	100	--	--
II	Quality Assurance in apparel Industry	General Education	3hrs	--	100	--	100
III	Pattern Making and Development - II	Skill	--	3hrs	--	50	50
IV	Apparel Construction - II	Skill	--	3hrs	-	50	50
V	Fashion Design and Illustration - II	Skill	--	3hrs	--	50	50
VI	Computer Applications - II	Skill	--	3hrs	--	50	50
VII	Export and Import Management	Skill	3 Hrs.	--	100	-	100
Total							400

***Note: This paper marks will not be included in the total marks.**

Bachelor of Vocation (B.Voc)
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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 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 (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 its 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 Indus Valley People.
4. The Indo-Aryans: Original home and settlements in Punjab.

Section C

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

Section D

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

Suggested Readings

1. L. M 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.
5. Chopra, P.N., Puri, B.N., & Das, M.N.(1974). *A Social, Cultural & Economic History of India*, Vol. I, New Delhi: Macmillan India.

**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

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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

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(Fashion Technology) (Semester-I)

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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(Fashion Technology) (Semester-I)

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" McGraw Hill PG Tartora, Understanding Textiles"
10. PG Tartora, "Understanding Textiles"

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.

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

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

**Paper-II: Punjab History & Culture (C 320 to 1000 B.C.)
(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. Alexander's Invasion and its Impact
2. Punjab under Chandragupta Maurya and Ashoka.

Section B

3. The Kushans and their Contribution to the Punjab.
4. The Panjab under the Gupta Empire.

Section C

5. The Punjab under the Vardhana Emperors
6. Socio-cultural History of Punjab from 7th to 1000 A.D.

Section D

7. Development of languages and Education with Special reference to Taxila
8. Development of Art & Architecture

Suggested Readings

1. L. M Joshi (ed), *History and Culture of the Punjab*, Art-I, Punjabi University, Patiala, 1989 (3rd edition)
2. L.M. Joshi and Fauja Singh (ed.), *History of Punjab* , Vol.I, Punjabi University, 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)**

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.

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.

**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.

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 croquie 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 croquie (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 croquie.

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.

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.

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.

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

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

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

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

Time: 3 Hours

Max. 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

- Universal human aspirations: Happiness and prosperity.
- Human values and ethics: Concept, definition, significance and sources.

SECTION B

- Fundamental values: Right conduct, peace, truth, love and non-violence.
- Ethics: Professional, environmental, ICT.

SECTION C

- Sensitization towards others particularly senior citizens, developmentally challenged and gender.
- Spirituality, positive attitude and scientific temper.

SECTION D

- 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.

**Paper- II: PATTERN MAKING AND DEVELOPMENT – I
(Practical)**

Max. Marks: 50

Instructions :

Practical paper will be set on the spot by the examiner

Students are required to make all pattern pieces of any design given by the examiner, which will include any four topics from the above mentioned content. Basic pattern can be provided.

Course Contents

Module I: Basics of Pattern Making <ul style="list-style-type: none">• Pattern making tools and their use• How to take measurements• Basic bodice front and back• Basic sleeve• Basic Skirt• Basic Torso	Module IV: <ul style="list-style-type: none">• collars<ul style="list-style-type: none">○ Coat Collar○ Shirt Collar○ Convertible○ Shawl
Module II: Dart manipulation by slash and spread and pivot method <ul style="list-style-type: none">• Two dart• Single dart• Darts to flare• Darts to princess line• Darts to yoke• Dart to multiple darts	Module V <ul style="list-style-type: none">• Skirts<ul style="list-style-type: none">○ Aline Skirt○ Pleated Skirt○ Wrap Around Skirt○ Circular Skirt
Module III: sleeve variation <ul style="list-style-type: none">• Leg o mutton• Tulip• Lantern• Raglan	Module VI <ul style="list-style-type: none">• Dart less Torso

Text & References:

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

Paper- III: APPAREL CONSTRUCTION – I
(Practical)

Max. Marks: 50

Course Contents

<p>Module I: basics</p> <ul style="list-style-type: none"> • samples of <ul style="list-style-type: none"> ○ bias facing ○ bias binding ○ shaped facing ○ placket ○ darts ○ basic sleeve and its attachment to bodice 	<p>Module IV: Skirt</p> <ul style="list-style-type: none"> • Basic skirt
<p>Module II: Samples of collars</p> <ul style="list-style-type: none"> • convertible • shawl collar • shirt collar 	<p>Module V: stitching of any one self-designed Top with Sleeves, collar and Dart manipulation</p>
<p>Module III: Samples of Sleeves</p> <ul style="list-style-type: none"> • puff • shirt sleeve with cuff and placket • petal sleeve 	

M Marks **50 MARKS (3 hrs.)**

Distribution of marks:

Exam 50 marks (External)

Practical paper will be set on the spot by the examiner

Students are required to construct any one garment with at least 4 design features.

Basic foundation pattern can be used.

Text & References:

- Bela Kapoor
- Reader's digest basic guide to sewing.
- Singer stitching book.
- Garment Construction Skill by Manmeet Sodhi

Paper- IV: FASHION DESIGN AND ILLUSTRATION – I
(Practical)

Time : 3 hrs

Max. Marks: 50

Instructions :

Practical paper will be set on the spot by the examiner

Two questions to set, where each question will be of 25 marks. Internal choice can be given.

Course Contents

SECTION A

Female croquis

- female basic block 12 and ½
- fleshing (only Front View)
- pose formation (Front and Three Fourth View)

SECTION B

Features

- hair styles
- features
- arms
- legs
- hands
- feet

SECTION C

Rendering Dresses with

- cotton
- silk
- chiffon / georgette
- lines / check fabric
- floral fabric
- Denims

Reference Book

- 9 heads by Kathryn Hagen
- patrick john ireland
- allen seaman- fashion drawing
- Fashion illustration and Rendering by Bina abling.

Paper- V: COMPUTER APPLICATIONS – I
(Practical)

Time: 3hrs

M. Marks: 50

Instructions :

Two questions to be set from syllabus.

Course Contents

Basics of Information Technology

Development in the computers.-History of computers-Modem Hi story- Type and computer generations

Shapes/Types of Computers (Super computers, Mainframe Computers, Minicomputer's, Workstations, Personal Computers, Variants of Personal Computers)

RAM and ROM,

Peripheral device:-Input devices, Output devices-Computer Classification- Digital, Analog

Introduction to computer and .associated terms; Computer; Input devices; Output devices; CPU - Central Processing Unit; Secondary Storage Devices; Hardware; Peripheral devices or peripherals; Terminal; Port; Advantages of a computer;

MS-Windows:-Introduction-Windows

Multi- Tasking:-Multitasking;

Arranging the open application Windows; Cut and Paste;

Object Linking and Embedding; Finding files and folders; My Computer; Windows Explorer; Creating a folder;

Using Recycle Bin; Taskbar settings

Display properties; Recycle Bin; Pre- Viewing the document with a quick view; Paths for window Accessories; Icon properties; Using the taskbar features; IMAGING; Saving folder display option; Web View; Using the web view wizard.

MS-Word: System requirements; Working with word; Parts or MS-Word screen; Creating a Document; Moving around the document; File operations; Editing the text; Formatting the text; Change case; Moving the text; Copying the text;. Undo; Redo and Repeat; Function Icon and shortcut keys; Some shortcut keys for formatting; Exiting Word-Formatting; Paragraph Options; Drop cap; Borders and Shading; Bullets and Numbering; Tab Stop; Find; Replace and Go To; Spelling and Grammar; AutoText; AutoCorrect; Word Count; Text background; Breaks; Columns-Tables; Inserting Objects & Page Design;- Table; Inserting Objects; Header /Footer; Footnotes and Endnotes-Mail Merge; Views; Printing & Creating Styles;-Mail Merge; Views; Full Screen; Ruler; Zooming; Information; Printing and protecting the document; protecting the document; Style; Template

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 Mc Grawhill BPB Publication

**Paper- VI: FASHION INDUSTRY MARKETING AND MANAGEMENT
(Theory)**

Time: 3 Hrs

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

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

SECTION-B

1. Introduction to marketing
2. Nature and scope of marketing
3. Marketing concepts

SECTION-C

1. Fashion market and marketing environment
2. Fashion marketing planning
3. Marketing research

SECTION-D

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.

PAPER-I : ESL-221 : Environmental Studies (Compulsory Paper)

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, 2019.

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.

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

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)

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.

**Paper- II: QUALITY ASSURANCE IN APPAREL INDUSTRY
(Theory)**

TIME : 3 Hrs

Max. 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

- Introduction to quality control- definition of quality, importance of quality assurance, stages of quality control in apparel industry

SECTION - B

- Quality assurance parameters- dimensions, shrinkage and colour fastness

SECTION - C

- Garment inspection using different methods
- Applying quality assurance programmes in fabric department, production and finishing department

SECTION - D

- 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.

**Paper- III: PATTERN MAKING AND DEVELOPMENT - II
(PRACTICAL)**

Time 3 Hrs.

Max. Marks: 50

Instructions :

Practical paper will be set on the spot by the internal examiner
Students are required to make all pattern pieces of any design given by the examiner, which will include any four topics from the above mentioned content. Basic pattern can be provided.

Course Contents

<ul style="list-style-type: none">• Casual Dress (Designed by the student) With commercial paper pattern, layout and style sheets
<ul style="list-style-type: none">• Party wear dress (Designed By the Student) With commercial paper pattern, layout and style sheets
<ul style="list-style-type: none">• Fusion Dress (Designed By the Student) With commercial paper pattern, layout and style sheets

BOOKS RECOMMENDED :

Helen joseph armstrong, pattern making fashion design
Sandra betzina, fast fit-easy pattern alterations for every figure

**Paper- IV: APPAREL CONSTRUCTION - II
(Practical)**

Time: 3 Hrs

Max. Marks: 50

Instructions :

Practical paper will be set on the spot by the internal examiner
Students are required to construct any one garment with at least 4 design features.
Basic foundation pattern can be used.

Course Contents

Construction of the garments mentioned below:

- (A) One piece dress (Western)
- (B) Party Dress

Using Needle Craft work

(Any number of stitches as per design requirement, Student will also make small samples of all stitches on one big fabric)

- Satin Stitch
- Chain Stitch
- Stem Stitch
- Laisy dasy Stitch
- 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 Work
- Smoking
- Ribbon Work
- Beads and Sequins Work
- Crochet – Single, Double, Circular

Incorporate the Surface ornamentation Techniques in the garments

Text & References:

- Bela Kapoor
- Reader's digest basic guide to sewing.
- Singer stitching book.
- Garment Construction Skill by Manmeet Sodhi

Paper- V: FASHION DESIGN AND ILLUSTRATION - II
(Practical)

Time: 3 Hrs.

Max. Marks: 50

Instructions to the Examiners/Paper Setters:

Paper will be set on the spot by the internal examiner.

Course Contents:

- Sketching of various garment details – collars, necklines, sleeves, cuffs
- Sketching of accessories for youth, adults, casual and formal wear. (female) one each
- Flat sketching of tops, skirts and trousers (5 types each)
- Variation of skirts with different panels – A-line, Four Gore, Hip Rider, Circular and Semicircular.
- Rendering Texture of fabrics – Dresses using mixed media and combination of fabrics like ...Cotton, Wool, Net, Velvet, Leather, Satin, Silk, Corduroy, Fur etc

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

Paper- VI: COMPUTER APPLICATIONS – II
(Practical)

Time: 3 Hrs.

Max. Marks: 50

Instructions :

Two questions to be set from syllabus.

MS PowerPoint:- Introduction to PowerPoint:-invoking Microsoft PowerPoint; The Initial Screens; The Standard Toolbar; The Formatting Toolbar; The Drawing Palette; Getting ahead with PowerPoint; Slide Layouts; Getting more familiar with PowerPoint; Editing a Slide; Working with Slides; Slide Back Ground; Applying Templates; PowerPoint Views; Built-in Wizards-Working with Objects-Inserting the Clip Art Picture into Slide; Slide Show; Using Slide Transitions; Text Build; Graphics; Creating Tables; Organization Chart; Animation; Inserting Sound in PowerPoint; Printing

*Prepare a PowerPoint presentation based on the project report.

Internet:-Introduction to Internet-What is Internet? Connecting to the Internet; Web Browsers; How does the Internet Work?; What you can do with the Internet; History of Internet;-WWW; World Wide Web; Search Engines; Advantages of Electronic Mail; E-mail Addresses and Mail boxes; How E-mail Works?; E-mail Options E-mail Software; Micro-Soft Outlook Express;

MS Excel:-

Getting Started

Entering Data

Editing Data

Formatting Data

Functions

Printing

Charts

Data manipulations etc.

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 Mc Grawhill BPB Publication

Paper- VII: EXPORT AND IMPORT MANAGEMENT**(Theory)****Time: 3 Hours****Max. 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.

SECTION - A**PLANNING FOR EXPORT**

- Organize the logistics options for shipment
- Carry out risk assessment for shipment plan
- Explain the trade policies and guidelines to all concerned and ensure it is followed
- Plan the shipment strategy
- Use the export planning tools available
- Carry out **SWOT** analysis for shipment vertical
- Make sure the organization's domestic and international marketing activities are aligned and updated with current policies and guidelines

SECTION - B**MANAGE EXPORT PROCESSES AND CHECK DOCUMENTATION**

- Manage documentation related to pre & post shipment
- Check and manage export sales contract
- Manage the central excise/customs clearance: regulations, procedures and documentation
- Supervise the processing of an export order
- Check all pre-shipment documents including:
 - invoice
 - packing list
 - gr form
 - ar-4/ ar4a form
 - etc licence
 - indent
 - acceptance of contract
 - letter of credit (loc)
 - qc certificate
 - port trust date
 - any other
 - sign of inspector/ customs div

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

- Check the EXIM documents pertaining to Pre and Post Shipment.
- Liaise with customs and excise officials, if required
- Take care of applications for export incentives
- Obtain advance license from Jt DGFT (Director General of Foreign Trade),
- ensure adherence with contracts and agreements
- Look after freight forwards, CHA (Customs House Agent), transporter
- Communicate effectively with suppliers, consignee, agents , transporters
- Manage and supervise the follow up with logistics companies to ensure timely shipments of goods
- Negotiation & co-ordination

SECTION - C

SUPERVISE AND EVALUATE PERFORMANCE

- Set goals and targets as per organizational directives for all reporting executives.
- Create quantified measures and metrics to analyze the performance delivered by subordinates
- Set tangible and achievable incentives for subordinates as per the goals and targets assigned
- Ensure and implement strict adherence of all activities performed by subordinates to organizational guidelines
- Monitor and supervise all the activities performed by subordinates and ensure optimization to achieve the set goals
- Evaluate performance of subordinates and reporting executives on the designed measures and metrics as per the guidelines of the Organization
- Assist and support reporting executives whenever necessary or applicable
- Document all performance indicators and metrics of subordinates in the prescribed format of organization
- Perform all appraisal related process flow for subordinates, as per respective performance documents
- Handover all the documents and appropriate support measures to human resources department for official records
- Ensure and implement proper process flow for feedbacks and queries received from subordinates

SECTION - D

ENSURE SHIPPING COMPLIANCE

- follow the general invoicing instructions
- check that the packing list requirement is met
- ensure packing instructions are being followed including:
- carton specifications
- packing standards
- flat pack cargo
- pre-packs packing standards
- garments on hangers (GOH)
- exceptions to packing requirements
- shipping marks & labels

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

- bar code labels
- follow the shipping guidelines
- follow the routing guidelines
- ensure tendering of freight to consolidator as per process and ensure sequence instruction is followed

MANAGE EXPORT MARKETING OPERATIONS

- analyze the export marketing business & the operations involved
- interpret the export marketing terms & understand the processes involved
- apply export-market entry strategies
- analyze the factors that affect cost in export marketing
- be adept in understanding foreign currencies & conversion
- be updated on current market trade in respect of various foreign currencies
- manage the export distribution across geography
- understand the institutional framework for export promotional council & world trade organization
- coordinate with export promotional council/ministry of commerce & industry for affiliation & documentation formalities
- understand & interpret the various export schemes
- interpret export financing methods and terms of payment
- carry out export credit and foreign exchange risk management
- apply export promotional strategies where appropriate
- carry out all export marketing functions effectively

COMPLY WITH INDUSTRY, REGULATORY AND ORGANIZATIONAL REQUIREMENTS

- carry out work functions in accordance with legislation and regulations, organizational guidelines and procedures
- seek and obtain clarifications on policies and procedures, from your supervisor or other authorized personnel
- apply and follow these policies and procedures within your work practices
- provide support to your supervisor and team members in enforcing these considerations
- identify and report any possible deviation to these requirements

ANALYZE FOREIGN TRADE LOGISTICS

- check pre shipment document
- understand and identify the best suitable logistics as per buyer's standard
- interpret and negotiate the logistics cost with different type of shipment mode
- track the shipment and follow up for payment
- communicate with logistic agency, buying offices and buyers
- apply knowledge of different types of Transport and the best suitable method
- manage logistics processes as per norms

MAINTAINING A HEALTHY, SAFE AND SECURE WORKING ENVIRONMENT IN THE ORGANIZATION

- comply with health and safety related instructions applicable to the workplace
- carry out own activities in line with approved guidelines and procedures
- maintain a healthy lifestyle and guard against dependency on intoxicants
- follow environment management system related procedures
- minimize health and safety risks to self and others due to own actions
- seek clarifications, from supervisors or other authorized personnel in case of perceived risks
- monitor the work place and work processes for potential risks and threats
- carry out periodic walk-through to keep work area free from hazards and obstructions, if assigned
- report hazards and potential risks/ threats to supervisors or other authorized
- Personnel participate in mock drills/ evacuation procedures organized at the workplace
- Undertake first aid, fire-fighting and emergency response training, if asked to do so
- take action based on instructions in the event of fire, emergencies or accidents
- follow organization procedures for shutdown and evacuation when required

**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:

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

**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.

**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.

**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**

**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 (19960 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.

**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.

**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.

**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

**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.

**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.

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.

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:

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

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)