

# **FACULTY OF SCIENCES**

## **SYLLABUS FOR THE BATCH FROM THE YEAR 2022 TO YEAR 2025**

**Programme Code:BVTD**

**Programme Name: B.VOC Textile Design and Apparel Technology**

**(Semester I- VI)**

**Examinations: 2022-2025**



**Department of Fashion Designing**  
**Khalsa College, Amritsar**

---

**Note:** (a) Copy rights are reserved. Nobody is allowed to print it in any form.  
(b) Subject to change in the syllabi at any time.  
(c) Please visit the College website time to time.

S.No.	PROGRAMME OBJECTIVES
1.	Graduates will learn the skills required to become professionals through the practical and theoretical study of textile, apparel, fashion and design.
2.	Graduates will develop the ability to collaborate with different government organizations and NGO's effectively to work on creative projects with problem solving attitude.
3.	Graduates will be able to focus on creative approach of developing designs and innovative solutions through learned traditional and contemporary technologies.
4.	Graduates will be able to develop an eye for the analysis of the complexities arising in the supply chain and other areas of fashion industry.

S.No.	PROGRAMME SPECIFIC OUTCOMES (PSOS)
PSO-1	Students will be able to attain successful career options globally, by effective communication of their ideas and implementation of creative inputs, not only as fashion designers but also as merchandiser, art director, film and theatre costume designer, fashion photographer and stylist.
PSO-2	By the means of entrepreneurship development; students will be able to generate employment for others and thus rather being job seekers, they will become job providers; which will be the result of creative approach, innovative solutions and study of consumer behavior through traditional and latest digital technologies.
PSO-3	Students will be able to identify their position in various subfields of apparel, fashion and allied industries like e-commerce, retail, branding and marketing, luxury and high value product markets; after completion of their bachelor's degree by virtue of specialization which otherwise requires further education.
PSO-4	Graduates will be able to understand the applicability of new technologies related to design development, material choices, manufacturing and distribution of fashion in global market
PSO-5	Graduates will be able to articulate their ideas to contribute to different sectors of society like information technology, hotel management and film industry.
PSO-6	Graduate will gain knowledge about the environmental aspects of textiles and fashion industry and will be able to provide sustainable competitive edge in meeting industrial demands.
PSO-7	Graduates will be able to work ethically in all areas of industry related to fashion, textile and apparel.
PSO-8	Graduates will be able to work in a team with a forward-thinking ability to promote their inventive personal design vision through creative work and research.
PSO-9	Graduates will learn to communicate their ideas and creative inputs to global fashion industry by creating fashion images, using multimedia and digital technologies, and will be able to explore illustration potential in branding, editorial platforms, advertising and graphic design.
PSO-10	Graduates will develop entrepreneurial opportunities for themselves and others by developing product related to health, welfare, and safety and will serve the society effectively.
PSO-11	Graduate will be able to continue the learning process by upgrading themselves with new technologies and requirements related to ever growing design & fashion industry.
PSO-12	Candidate can be identify concept of entrepreneur entrepreneurship, like between entrepreneurship and eco-development.
PSO-13	Candidate can express about factor influencing entrepreneurship development as well as recourse behind entry of entrepreneur in entrepreneurship

COURSE SCHEME							
SEMESTER - I							
Course Code	Course Name	Hours/Week	Max. Marks				Page No.
			Th	Pr	IA	Total	
BSCV 1129	Communication Skills inEnglish-I	3	25	12	13	50	9-10
BHPB 1101 BPBI 1102 BPHC 1104	Punjabi (Compulsory) <b>OR</b> *Basic Punjabi <b>O</b> <b>R</b> **Punjab History & Culture	3	37	-	13	50	11-14
ZDA 111	***Drug Abuse: Problem, Management and Prevention (Compulsory)	2	-	-	-	50	15-17
CS- BVTD111	Computer Application-I	4	25	12	13	50	18-19
BTVD 11105	Sewing Techniques	6	-	37	13	50	20
BVTD 11106	Design Foundation & Basics of Textiles-I	62	37	37	26	100	21-22
BVTD 11107	Introduction to Entrepreneurship		75	-	25	100	23
<b>TOTAL</b>				<b>400</b>			

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 - II							
Course Code	Course Name	Hours/Week	Max. Marks				Page No.
			Th	Pr	IA	Total	
BCSV1229	Communication Skills in English-I	3	25	12	13	50	25-27
BHPB 1201 BPBI 1202 BPHC 1204	Punjabi (Compulsory) OR *Basic Punjabi **Punjab History & Culture	3	37	-	13	50	28-31
ZDA 121	***Drug Abuse: Problem, Management and Prevention (Compulsory)	2	-	-	-	50	32-33
BVTD12205	Garment Sewing	8	-	75	25	100	34
BVTD12206	Introduction to Fashion	2	37	-	13	50	35
BVTD12207	Enterprise Planning	2	37	-	13	50	36-37
BVTD12208	Design Foundation & Basics of Textile-II	2	-	37	13	50	28-39
<b>TOTAL</b>						400	

### Note

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

SEMESTER - III							
Course Code	Course Name	Hours/Week	Max. Marks				Page No.
			Th	Pr	IA	Total	
ESL 221	*Environmental Studies (Compulsory)	2	50	-	-	-	40-43
BVTD 23102	Basics of Sewing Printing & Dyeing	2	37	-	13	50	44
BVTD 23103	Pattern Making and Grading	2	-	56	19	75	45-46
BVTD 23104	History of Costumes	4	37	-	13	50	47-48
BVTD 23105	CAD-I	2	-	37	13	50	49-50
BVTD 23106	Design Development – I	2	-	56	19	75	51-52
BVTD 23107	Garment Construction-I	6	-	75	25	100	53
<b>TOTAL</b>			<b>400</b>				

SEMESTER - IV							
Course Code	Course Name	Hours/Week	Max. Marks				Page No.
			Th	Pr	IA	Total	
ESL 222	*Environmental Studies (Compulsory)	2	50	-	-	-	54-57
BVTD 24102	Traditional Textiles	6	37	37	26	100	58-60
BVTD 24103	Draping	2	-	37	13	50	61-62
BVTD 24104	Quality Control	2	37	-	13	50	63
BVTD 24105	CAD-II	2	-	37	13	50	64
BVTD 24106	Design Development – II	2	-	37	13	50	65
BVTD 24107	Garment Construction-II	4	-	75	25	100	66-67
<b>TOTAL</b>						<b>400</b>	

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

SEMESTER - V							
Course Code	Course Name	Hours/Week	Max. Marks				Page No.
			Th	Pr	IA	Total	
BVTD 35101	Enterprise Management	4	37	-	13	50	68-69
BVTD 35102	Introduction Knitting Skills	6	37	37	26	100	70-71
BVTD 35103	Technical Surface Designing-I	2	-	37	13	50	72
BVTD 35104	E-Designing	4	-	37	13	50	73-74
BVTD 35105	Advance Draping & Garment Construction	4	-	37	13	50	75-76
BVTD 35106	Advance Rendering & Stylization	4	-	37	13	50	77
BVTD 35107	Survey & Project Report	4	-	37	13	50	78
<b>TOTAL</b>						<b>400</b>	

SEMESTER - VI							
Course Code	Course Name	Hours/Week	Max. Marks				Page No.
			Th	Pr	IA	Total	
BVTD 36101	Fashion Merchandising	4	37	-	13	50	79-80
BVTD 36102	Eco Textiles and Sustainable Clothing	4	37	-	13	50	81-82
BVTD 36103	Custom made Sewing	7	-	37	13	50	83
BVTD 36104	Portfolio Development	7	-	75	25	100	84
BVTD 36105	Technical Surface Designing-II	4	-	37	13	50	85
BVTD 36106	Design and Display	4	-	37	13	50	86
BVTD 36107	Internship report	---	-	37	13	50	87
	<b>TOTAL</b>					<b>400</b>	



**Session-2022-23**  
**Bachelor of Vocation (B.Voc.)**  
**(Software Development, Theatre and Stage Craft, Food Processing, Textile Design & Apparel Technology)**  
**Semester – I**  
**COMMUNICATION SKILLS IN ENGLISH-I**  
Code: BCSV-1129

**Credit Hours(Per Week):4**

**Total Hours:60**

**Time: 3 Hours**

**Max. Marks: 50**

**Theory Marks: 25**

**Practical Marks: 12**

**Assessment: 13**

**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.  
(5X5=25 Marks)

**Course Objectives:**

- I: To develop competence in written communication.
- II: To inculcate innovative and critical thinking among the students.
- III: To enable them to grasp the application of communication theories.
- IV: To acquire the knowledge of latest technology related with communication skills.
- V: To provide knowledge of multifarious opportunities in the field of this programme.

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.

**Section–B**

Reading for understanding concepts, details, coherence.

**Activities:**

- Short comprehension questions based on content and development of ideas

**Section–C**

**Writing Skills:** Writing styles for application, personal letter, official/ business letter.

**Activities:**

- Formatting personal and business letters.

**Section–D**

Resume, memo and notices; outline and revision.

**Activities:**

- Converting a biographical note into a sequenced resume or vice-versa
- Writing notices for circulation/boards

**Recommended Books:**

- Oxford Guide to Effective Writing and Speaking* by John Seely.

- *English Grammar in Use* (Fourth Edition) by Raymond Murphy, CUP

□

**Course Outcomes:**

The completion of this course enables students to:

1. Identify common errors in language and rectify them.
2. Develop and expand writing skills through controlled and guided activities.
3. Develop coherence, cohesion and competence in written discourse through intelligible pronunciation.
4. Develop the ability to handle the interview process confidently and learn the subtle nuances of an effective group discourse.
5. Communicate contextually in specific and professional situations with courtesy.

**Session-2022-23**

**Bachelor of Vocation (B.Voc.)**

**(Software Development, Theatre and Stage Craft, Food Processing, Textile Design & Apparel Technology)**

**Semester – I**

**COMMUNICATION SKILLS IN ENGLISH-I**

**Practical Marks: 12**

**Course Contents:-**

1. Assignment on selected topics in about 700-1000 words.
2. Comprehension passage

**Questions:-**

1. Handwritten Assignment should be submitted to the concerned teachers in a stick file.
2. Short comprehension questions based on unseen passage.

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

**B.Sc. (Hons. – Physics, Chemistry, Mathematics),**  
**B.Sc. Bio-Tech./IT/Fashion Designing/Food Sc./BCA, BA-JMC/ B.Sc. in**  
**Computational Statistics and Data Analytics, B.Voc. (Software Development,**  
Theatre and Stage Craft, Food Processing, Textile Design & Apparel Technology)

**SEMESTER-I**  
**ਲਾਜ਼ਮੀ ਪੰਜਾਬੀ**

ਸਮਾਂ : 3 ਘੰਟੇ

ਥਿਊਰੀ ਅੰਕ : 37  
ਇੰਟਰਨਲ ਅਸੈਸਮੈਂਟ : 13  
ਕੁੱਲ ਅੰਕ : 50

**ਪਾਠ-ਕ੍ਰਮ**  
**ਭਾਗ-ਪਹਿਲਾ**

**ਸਾਹਿਤ ਦੇ ਰੰਗ** (ਭਾਗ ਪਹਿਲਾ -ਕਵਿਤਾ ਅਤੇ ਕਹਾਣੀ)  
ਡਾ. ਮਹਿਲ ਸਿੰਘ (ਸੰਪਾ.), ਰਵੀ ਸਾਹਿਤ ਪ੍ਰਕਾਸ਼ਨ, ਅੰਮ੍ਰਿਤਸਰ।  
(ਲੇਖਕ ਦਾ ਜੀਵਨ ਅਤੇ ਰਚਨਾ/ਸਾਰ/ਵਿਸ਼ਾ-ਵਸਤੂ)

**ਭਾਗ-ਦੂਜਾ**

**ਇਤਿਹਾਸਿਕ ਯਾਦਾਂ**  
ਸ. ਸ. ਅਮੋਲ (ਸੰਪਾ.), ਪੰਜਾਬੀ ਸਾਹਿਤ ਪ੍ਰਕਾਸ਼ਨ, ਅੰਮ੍ਰਿਤਸਰ।  
(ਨਿਬੰਧ 1 ਤੋਂ 6 ਤਕ ਸਾਰ/ ਵਿਸ਼ਾ-ਵਸਤੂ/ਸ਼ੈਲੀ)

**ਭਾਗ-ਤੀਜਾ**

(ੳ) ਪੈਰੂ ਰਚਨਾ (ਤਿੰਨਾਂ ਵਿਚੋਂ ਇਕ)  
(ਅ) ਪੈਰੂ ਪੜ੍ਹ ਕੇ ਪ੍ਰਸ਼ਨਾਂ ਦੇ ਉੱਤਰ

**ਭਾਗ-ਚੌਥਾ**

(ੳ) ਭਾਸ਼ਾ ਵੰਨਗੀਆਂ : ਭਾਸ਼ਾ ਦਾ ਟਕਸਾਲੀ ਰੂਪ, ਭਾਸ਼ਾ ਅਤੇ ਉਪ-ਭਾਸ਼ਾ ਵਿਚਲਾ ਅੰਤਰ, ਪੰਜਾਬੀ ਉਪ-ਭਾਸ਼ਾਵਾਂ ਦੇ ਪਛਾਣ-ਚਿੰਨ੍ਹ  
(ਅ) ਪੰਜਾਬੀ ਭਾਸ਼ਾ - ਨਿਕਾਸ ਤੇ ਵਿਕਾਸ

**ਅੰਕ-ਵੰਡ ਅਤੇ ਪ੍ਰੀਖਿਅਕ ਲਈ ਹਦਾਇਤਾਂ**

1. ਸਿਲੇਬਸ ਦੇ ਚਾਰ ਭਾਗ ਹਨ ਪਰ ਪ੍ਰਸ਼ਨ-ਪੱਤਰ ਦੇ ਪੰਜ ਭਾਗ ਹੋਣਗੇ।
2. ਪਹਿਲੇ ਚਾਰ ਭਾਗਾਂ ਵਿਚ 02-02 ਪ੍ਰਸ਼ਨ ਪੁੱਛੇ ਜਾਣਗੇ। ਹਰੇਕ ਭਾਗ ਵਿਚੋਂ 01-01 ਪ੍ਰਸ਼ਨ ਕਰਨਾ ਲਾਜ਼ਮੀ ਹੋਵੇਗਾ। ਹਰੇਕ ਪ੍ਰਸ਼ਨ ਦੇ ਬਰਾਬਰ (08) ਅੰਕ ਹੋਣਗੇ।
3. ਪ੍ਰਸ਼ਨ ਪੱਤਰ ਦੇ ਪੰਜਵੇਂ ਭਾਗ ਵਿਚ ਸਾਰੇ ਸਿਲੇਬਸ ਵਿਚੋਂ 01-01 ਅੰਕ ਦੇ ਛੇ ਪ੍ਰਸ਼ਨ ਪੁੱਛੇ ਜਾਣਗੇ, ਜਿਨ੍ਹਾਂ ਵਿਚੋਂ 05 ਪ੍ਰਸ਼ਨਾਂ ਦੇ ਉੱਤਰ ਦੇਣਾ ਲਾਜ਼ਮੀ ਹੋਵੇਗਾ।
4. ਪੇਪਰ ਸੈੱਟ ਕਰਨ ਵਾਲਾ ਜੇਕਰ ਚਾਹੇ ਤਾਂ ਪ੍ਰਸ਼ਨਾਂ ਦੀ ਵੰਡ ਅੱਗੋਂ ਵੱਧ ਤੋਂ ਵੱਧ ਚਾਰ ਉਪ-ਪ੍ਰਸ਼ਨਾਂ ਵਿਚ ਕਰ ਸਕਦਾ ਹੈ।

**ਨੋਟ :** ਇੰਟਰਨਲ ਅਸੈਸਮੈਂਟ 13 ਅੰਕਾਂ ਦੀ ਹੈ, ਜੋ ਕਾਲਜ ਵੱਲੋਂ ਨਿਰਧਾਰਿਤ ਦਿਸ਼ਾ ਨਿਰਦੇਸ਼ਾਂ ਅਨੁਸਾਰ ਇਨ੍ਹਾਂ ਅੰਕਾਂ ਤੋਂ ਵੱਖਰੀ ਹੋਵੇਗੀ। ਇਸ ਪੇਪਰ ਦੇ ਕੁੱਲ ਅੰਕ 37+13 = 50 ਹਨ।

**B.Sc. (Hons. – Physics, Chemistry, Mathematics),**  
**B.Sc. Bio-Tech./IT/Fashion Designing/Food Sc./BCA, BA-JMC/ B.Sc. in**  
**Computational Statistics and Data Analytics, B.Voc.** (Software Development,  
Theatre and Stage Craft, Food Processing, Textile Design & Apparel Technology)

**SEMESTER-I**

**ਮੁੱਢਲੀ ਪੰਜਾਬੀ**

(In Lieu of Compulsory Punjabi)

ਸਮਾਂ : 3 ਘੰਟੇ

ਥਿਊਰੀ ਅੰਕ : 37

ਇੰਟਰਨਲ ਅਸੈਸਮੈਂਟ : 13

ਕੁੱਲ ਅੰਕ : 50

**ਪਾਠ-ਕ੍ਰਮ**

**ਭਾਗ-ਪਹਿਲਾ**

ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਤੇ ਗੁਰਮੁਖੀ ਲਿਪੀ :

- (ੳ) ਨਾਮਕਰਣ ਤੇ ਸੰਖੇਪ ਜਾਣ-ਪਛਾਣ : ਗੁਰਮੁਖੀ ਵਰਣਮਾਲਾ, ਅੱਖਰ ਕ੍ਰਮ, ਸਵਰ ਵਾਹਕ (ੳ, ਅ, ਏ),  
ਲਗਾਂ-ਮਾਤਰਾਂ, ਪੈਰ ਵਿਚ ਬਿੰਦੀ ਵਾਲੇ ਵਰਣ, ਪੈਰ ਵਿਚ ਪੈਣ ਵਾਲੇ ਵਰਣ, ਬਿੰਦੀ, ਟਿੱਪੀ, ਅੱਧਕ  
(ਅ) ਸਿਖਲਾਈ ਤੇ ਅਭਿਆਸ

**ਭਾਗ-ਦੂਜਾ**

ਗੁਰਮੁਖੀ ਆਰਥੋਗ੍ਰਾਫੀ ਅਤੇ ਉਚਾਰਨ :

- ਸਵਰ, ਵਿਅੰਜਨ : ਮੁੱਢਲੀ ਜਾਣ-ਪਛਾਣ ਅਤੇ ਉਚਾਰਣ, ਮੁਹਾਰਨੀ, ਲਗਾਂ-ਮਾਤਰਾਂ ਦੀ ਪਛਾਣ

**ਭਾਗ-ਤੀਜਾ**

ਪੰਜਾਬੀ ਸ਼ਬਦ-ਜੋੜ :

- ਮੁਕਤਾ (ਦੋ ਅੱਖਰਾਂ ਵਾਲੇ ਸ਼ਬਦ, ਤਿੰਨ ਅੱਖਰਾਂ ਵਾਲੇ ਸ਼ਬਦ), ਸਿਹਾਰੀ ਵਾਲੇ ਸ਼ਬਦ, ਬਿਹਾਰੀ ਵਾਲੇ ਸ਼ਬਦ,  
ਅੱਕੜ ਵਾਲੇ ਸ਼ਬਦ, ਦੁਲੈਂਕੜ ਵਾਲੇ ਸ਼ਬਦ, ਲਾਂ ਵਾਲੇ ਸ਼ਬਦ, ਦੁਲਾਵਾਂ ਵਾਲੇ ਸ਼ਬਦ, ਹੋੜੇ ਵਾਲੇ ਸ਼ਬਦ, ਕਨੌੜੇ  
ਵਾਲੇ ਸ਼ਬਦ, ਲਗਾਖਰ (ਬਿੰਦੀ, ਟਿੱਪੀ, ਅੱਧਕ) ਵਾਲੇ ਸ਼ਬਦ

**ਭਾਗ-ਚੌਥਾ**

ਸ਼ੁੱਧ-ਅਸ਼ੁੱਧ ਸ਼ਬਦ

**ਅੰਕ-ਵੰਡ ਅਤੇ ਪ੍ਰੀਖਿਅਕ ਲਈ ਹਦਾਇਤਾਂ**

1. ਪਹਿਲੇ ਭਾਗ ਵਿਚੋਂ ਚਾਰ ਵਰਣਨਾਤਮਕ ਪ੍ਰਸ਼ਨ ਪੁੱਛੇ ਜਾਣਗੇ ਜਿਨ੍ਹਾਂ ਵਿਚੋਂ ਤਿੰਨ ਪ੍ਰਸ਼ਨਾਂ ਦਾ ਉੱਤਰ ਦੇਣਾ ਲਾਜ਼ਮੀ ਹੈ।  
ਹਰ ਪ੍ਰਸ਼ਨ ਦੇ ਚਾਰ-ਚਾਰ ਅੰਕ ਹਨ। (3x4)=12 ਅੰਕ
2. ਭਾਗ ਦੂਸਰਾ ਵਿਚੋਂ ਦੋ-ਦੋ ਅੰਕ ਦੇ ਪੰਜ ਪ੍ਰਸ਼ਨ ਪੁੱਛੇ ਜਾਣਗੇ। ਸਾਰੇ ਪ੍ਰਸ਼ਨ ਲਾਜ਼ਮੀ ਹਨ। (5x2)=10 ਅੰਕ
3. ਭਾਗ ਤੀਸਰਾ ਵਿਚੋਂ ਤਿੰਨ ਪ੍ਰਸ਼ਨ ਪੁੱਛੇ ਜਾਣਗੇ ਜਿਨ੍ਹਾਂ ਵਿਚੋਂ ਦੋ ਪ੍ਰਸ਼ਨ ਹੱਲ ਕਰਨੇ ਲਾਜ਼ਮੀ ਹਨ। ਇਨ੍ਹਾਂ ਦੇ ਪੰਜ-ਪੰਜ  
ਅੰਕ ਹਨ। (2x5)=10 ਅੰਕ
4. ਭਾਗ ਚੌਥਾ ਵਿਚ ਪੰਜ ਅਸ਼ੁੱਧ ਸ਼ਬਦਾਂ ਨੂੰ ਸ਼ੁੱਧ ਕਰਕੇ ਲਿਖਣਾ ਹੋਵੇਗਾ। (5x1)=05 ਅੰਕ

**ਨੋਟ:** ਇੰਟਰਨਲ ਅਸੈਸਮੈਂਟ 13 ਅੰਕਾਂ ਦੀ ਹੈ, ਜੋ ਕਾਲਜ ਵੱਲੋਂ ਨਿਰਧਾਰਿਤ ਦਿਸ਼ਾ ਨਿਰਦੇਸ਼ਾਂ ਅਨੁਸਾਰ ਇਨ੍ਹਾਂ ਅੰਕਾਂ  
ਤੋਂ ਵੱਖਰੀ ਹੋਵੇਗੀ। ਇਸ ਪੇਪਰ ਦੇ ਕੁੱਲ ਅੰਕ 37+13 = 50 ਹਨ।

**B. A.; B.A. (SS); B. A. (Hons. – English); B. Com. (Hons., R, Ac. & Finance); B. Sc. /BioTech./Comp. Sc./Eco./FD/Food Sc./IT/Med./N.Med.; B.Sc. (Hons. –Botany, Chemistry, Mathematics, Physics, Zoology); B. of Mult.; B. in Int. & Mob. Tech.; BBA;BCA;BJMC; B. Voc. (Software Development, Theatre and Stage Craft, Food Processing, Textile Design & Apparel Technology)**

### **SEMESTER–I**

**Course Code: BPHC-1104**

**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)**

**Credit Hours (per week): 04**

**Total Hours: 60**

**Time: 3 Hours**

**Total Marks: 50**

**Theory: 37**

**Internal Assessment: 13**

#### **Instructions for the Paper Setters:**

The question paper consists of five units: I, II, III, IV and V. Units I, II, III and IV will have two questions each. Each question carries 8 marks. The students are to attempt one question from each unit approximately in 800 words. Unit-V consists of 7 short answer type questions to be set from the entire syllabus. Students are to attempt any 5 questions in about 20 words each. Each question carries 1 mark.

**Note: The examiner is to set the question paper in two languages: English & Hindi.**

**Course Objectives:** The main objective of this course is to educate the history and culture of the Ancient Punjab to the students who are not domicile of the Punjab. It aims to familiarize these students with the physical features of ancient Punjab and its impact on its history and culture. It also provides them information about the different sources to construct the history and culture of the ancient Punjab. The course intends to provide knowledge of social, economic, religious life of the Harappan civilization, Indo-Aryans, teachings and impact of Jainism and Buddhism in the Punjab.

#### **Unit-I**

1. Physical features of the Punjab and impact on history.
2. Sources of the ancient history of Punjab.80

#### **Unit-II**

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

#### **Unit-III**

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

#### **Unit-IV**

7. Teachings 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. BudhaParkash, *Glimpses of Ancient Punjab*, Patiala, 1983.
4. B.N. Sharma, *Life in Northern India*, Delhi. 1966.

**Course Outcomes:****After completion of the course, the students will be able to learn:**

CO-1 The history and culture of the Ancient Punjab.

CO-2 Physical features of ancient Punjab.

CO-3 The sources of the history of the Punjab.

CO-4 Social, economic, religious life of the Harrapan civilization and Vedic-Aryans.

CO-5 Teachings and impact of Jainism and Buddhism in the Punjab.



**SEMESTER-I**  
**Course Code: ZDA111**  
**Course Title-Drug Abuse: Problem, Management and Prevention**  
**PROBLEM OF DRUG ABUSE**  
**(Compulsory for all Under Graduate Classes)**

Credit Hours (per week): 1.5 hrs.

Total Hours: 22.5 hrs.

Max. Marks: 50

**Instructions for the Paper Setters:**

Section–A: (15 Marks): It will consist of five short answer type questions. Candidates will be required to attempt three questions, each question carrying 05 marks. Answer to any of the questions should not exceed two pages.

Section–B: (20 Marks) It will consist of four essay type questions. Candidates will be required to attempt two questions, each question carrying 10 marks. Answer to any of the questions should not exceed four pages.

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

**Course Objectives**

The course aims to:

CO-1.	Generate the awareness against drug abuse.
CO-2.	Describe a variety of models and theories of addiction and other problems related to substance abuse.
CO-3.	Describe the behavioral, psychological, physical health and social impact of psychoactive substances.
CO-4.	Provide culturally relevant formal and informal education programs that raise awareness and support for substance abuse prevention and the recovery process.
CO-5.	Describe factors that increase likelihood for an individual, community or group to be at risk of substance use disorders.

**UNIT-I**

- **Meaning of Drug Abuse**

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

**UNIT-II**

- **Consequences of Drug Abuse for:**

Individual: Education, Employment and Income.

Family : Violence.

Society : Crime.

Nation : Law and Order problem.

**UNIT-III**

- **Management of Drug Abuse**

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

#### UNIT-IV

- Psychiatric Management: Counseling, Behavioral 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. 23
4. Jasjit Kaur Randhawa & Samreet Randhawa, “Drug Abuse-Problem, Management & Prevention”, KLS, ISBN No. 978-81-936570-6-5, (2018).
5. Jasjit Kaur Randhawa & Samreet Randhawa, “Drug Abuse Problem, Management & Prevention”, KLS, ISBN No. 978-81-936570-8-9, (2019).
6. Jasjit Kaur Randhawa & Samreet Randhawa, “voZrld[otos'A^(BPky'oh) ;wZf;nk, gqpxXB ns/ o'eEkw”, KLS, ISBN No. 978-81-936570-7-1, (2018).
7. Jasjit Kaur Randhawa, “Drug Abuse -Management & Prevention”, KLS, ISBN No. 978-93-81278-80-2, (2018).
8. Kapoor. T. (1985) Drug epidemic among Indian Youth, New Delhi: Mittal Pub.
9. Modi, Ishwar and Modi, Shalini (1997) Drugs: Addiction and Prevention, Jaipur: Rawat Publication.
10. National Household Survey of Alcohol and Drug abuse. (2003) New Delhi, Clinical Epidemiological Unit, All India Institute of Medical Sciences, 2004.
11. Rama Gandotra& Jasjit Kaur Randhawa, “voZrld[otos'A^(BPky'oh) gqpxXB ns/ o'eEkw”, KLS, ISBN No. 978-93-81278-87-1, (2018).
12. Sain, Bhim 1991, Drug Addiction Alcoholism, Smoking obscenity New Delhi: Mittal Publications.
13. Sandhu, Ranvinder Singh, 2009, Drug Addiction in Punjab: A Sociological Study. Amritsar: Guru Nanak Dev University.
14. Singh, Chandra Paul 2000. Alcohol and Dependence among Industrial Workers: Delhi: Shipra.



15. Sussman, S and Ames, S.L. (2008). Drug Abuse: Concepts, Prevention and Cessation, Cambridge University Press.
16. World Drug Report 2010, United Nations office of Drug and Crime.
17. World Drug Report 2011, United Nations office of Drug and Crime.

**Course Outcomes:**

The students will be able:

CO-1.	To describe issues of cultural identity, ethnic background, age and gender in prevention, treatment and recovery.
CO-2.	To describe warning sign, symptoms, and the course of substance use disorders.
CO-3.	To describe principles and philosophy of prevention, treatment and recovery.
CO-4.	To describe current and evidenced-based approaches practiced in the field of addictions.

**B.Sc.FashionDesigning**  
**(Semester-I)**

**CS-FD111:BASIC OF COMPUTERS**  
**(Theory)**

**Time::3Hr**

**Credit Hours (PerWeek): 4**

**Total Marks:100**

**Theory Marks:37**

**Theory Internal Assessment: 13**

**Practical Marks:37**

**Practical Internal Assessment:13**

**Note: 1. Medium of Examination is English Language.**

**2.The question paper covering the entire course shall be divided into three sections.**

**Instructions for Paper Setters:**

**Section A:** It will have question No.1 consisting of 10 very short answer questions from the entire syllabus. Students will attempt 6 questions. Each question will carry **1.5 marks** with answer to each question up to 10 lines in length. The total weightage being **09 marks**.

**Section B:** It will consist of essay type/numerical questions up to five pages in length. Four questions numbering 2, 3, 4 and 5 will be set by the examiner from Unit-I of the syllabus. The students will be required to attempt any two questions. Each question will carry **07 marks**.The total weightage of this section shall be **14 marks**.

**Section C:** It will consist of essay type/numerical questions up to five pages in length. Four questions numbering 6, 7, 8 and 9 will be set by the examiner from Unit-II of the syllabus. The students will be required to attempt any two questions. Each question will carry **07 marks**.The total weightage of this section shall be **14 marks**.

**Course Objectives:**

1. To familiarize the various parts of computer.
2. To study application of computers in different fields.
3. To recall the evolution of computers through various generation.
4. To acquire the knowledge of working of input and output devices.
5. To impart the knowledge of operating system and its types.
6. Hands on practice of MS office software.

**UNIT-I**

1. IntroductiontoComputer,DataProcessing,Conceptofdataandinformation,Classificationof computer.
2. ComputerHardware-CentralProcessingUnit, Main Memory,SecondaryMemory,I/Odevice.

## **UNIT-II**

3. General concept of MS Word: Word Processing, Formatting, editing, Spell-grammar check, Mail Merge, Printing and saving.
4. Presentation Software: Presentation overview, entering information, Presentation creation, opening and saving presentation, inserting audio and video
5. Computer applications in various fields of fashion Industry.

### **References:**

1. Office 2010 Bible by John Walkenbach , Herb Tyson , Michael R. Groh, Faith Wempen
2. WORD 2010 FOR DUMMIES By Dan Gookin
3. MS–Office, Compiled by SYBIX.
4. Word 2010 in Simple Steps by Kogent Learning Solutions Inc.

### **Course Outcomes:**

At the end of course students will be able to:

- CO-1.** Acquire the computer terminology
- CO-2.** Gain insight of working of input and output devices.
- CO-3.** Develop skills of working with MS-Word, MS-PowerPoint, MS-excel.
- CO-4.** Possess the knowledge of importance of operating system in computer.
- CO-5.** Understand the concept of storing of data in memory and its types.

## **PRACTICAL**

**Time: 3 Hrs.**

1. Introduction to MS Word
2. Introduction to MS PowerPoint

**PROGRAMME: Bachelor of Vocation in (B.Voc.)  
(Textile Design & Apparel Technology) Semester-I  
COURSE CODE –BVTD 11105  
COURSE TITLE: Sewing Techniques (Practical)**

**Credit hours (per week) =Pr 06hrs  
Total credit hours (per Sem):Pr 90 Hours**

**Maximum marks: 50  
Practical =37  
Internal assessment =13**

**INSTRUCTIONS FOR PAPER SETTERS:** Paper will be set on the spot by the examiner.

**COURSE OBJECTIVE:**

- ❖ To impart knowledge of sewing techniques.
- ❖ To apply the knowledge for basic stitching.

**COURSE CONTENTS:**

- Introduction to different parts of sewing machine and their care and maintenance
  - Basic hand sewing techniques.
  - Seams and seam finishes, plain, run and fell, French, counter.
  - Fullness – yoke with fullness, gathers, darts, pleats.
  - Plackets- French placket, continuous, extended placket
  - Pockets- patch, welt, in seam, kurta
  - Sleeves- plain, puff, bishop, bell, cap, raglan, kimono and dolman.
  - Collars – flat Peter Pan collar, shawl, mandarin, cape collar.
- Design any dress by using above fashion details (Kids)

**BOOKS PRECRIBED:**

1. The Art of couture sewing by ZoyaNudelman.(3-10-2016),Bloomsbury Academic
2. The sewing Book, Alison Smith (March 30, 2009)
3. Sewing Techniques and Patterns, Marie – Naelle Bayard, Sterling (Feb, 2007)
4. Complete Guide to Sewing, Readers Bigest (Reader’s Digest (11, Nov,2010)
5. The ultimate sewing book, Maggi McCormick Garden Collins & Brown (Jan1, 2002)

**COURSE OUTCOMES:**

- COS1: Explain about the various components of garment construction and its application.
- COS2: To gain knowledge in seams and seam finishes
- COS3: To enable the students a basic garment construction details.

**PROGRAM: Bachelor of Vocation in (B.Voc.)**  
**(Textile Design & Apparel Technology) Semester-I**  
**COURSE CODE–BVTD11106**  
**COURSE TITLE: Design Foundation & Basics of Textiles-I (Theory)**

Credit hours (per week) =Th02+Pr 04 hrs  
Total hours (per sem):Th 30+Pr 60hrs

Maximum marks:100  
Theory =37  
Practical =37  
Internal assessment =26

**Note: Medium of Examination in English, Hindi, Punjabi language.**

**INSTRUCTIONS FOR PAPER SETTERS:**

1. There will be five sections.
2. Section A Carries 9 marks and is compulsory consisting of eight short answer type questions of 1.5 marks each covering the whole syllabus. The candidate will have to attempt six questions in section A.
3. Sections B, C, D and E will be set from unit I, II, III, &IV respectively and will consist of two questions of 7 marks each from the respective unit. The candidates are required to attempt one question from each of these sections.

**COURSE OBJECTIVES:**

To help students to understand elements and principles of design, types of fibres, yarns their properties and classification and types of fabric.

**COURSE CONTENTS:**

**UNIT -I**

- Different art media and its applications
- Design and its types.

**UNIT -II**

- Principles of design (harmony, balance, proportion, rhythm, emphasis)
- Elements of design (colour, line, shape and space, light, pattern, texture)

**UNIT -III**

- Fibre and its classification, properties and characteristics.
- Yarn and its classification and properties

**UNIT -IV**

- Types of fabric construction.
- Weaving, Netting, Felting & Bonding.

## **PRACTICAL**

**INSTRUCTIONS FOR PAPER SETTERS:** Paper will be set on the spot by the examiner.

### **COURSE CONTENTS:**

- Colour wheel
- Colour schemes (Monochromatic, Achromatic, Polychromatic, Analogous, Complementary, Tint & Shades, Triadic.
- Grey Scale
- Collection of different yarns
- Microscopic and burning test (Cotton, Silk, Wool, Jute, Nylon, Polyester)

### **BOOK PRESCRIBED:**

1. Norman Hollen and Jane Saddler, "Textiles" Second Edition. (1949), The Macmillan Company, New York. Collee- Macmillan, Limited London.
2. Bernard P. Corbman, Textiles Fiber to Fabric, McGraw, Hill International Editions, (1993), Cataloging Publications.
3. Dorothy Siegert Lyle, Modern Textiles – (1971) Jonh Wiley and Sons Inc., New York, London, Sydney, Toronto. Published-1983
4. Be an Artist in 10 Steps, Ian Sidaway, Patricia Seligman, 15 March 2009.

### **COURSE OUTCOMES:**

COS1: Develop an understanding about fashion, fashion terminologies and fashion forecasting.

COS2: To learn about factors affecting fashion.

COS3: To enable the students about roll of social and psychological aspects

**PROGRAMME: Bachelor of Vocation in (B.Voc.)  
(Textile Design & Apparel Technology) Semester-I  
COURSE CODE-BVTD 11107  
COURSE TITLE: Introduction to Entrepreneurship (Theory)**

Credit hours (per week) =Th 02 hrs  
Total hours (per Sem):Th 30hrs

Maximum marks:100  
Theory =75  
Internal assessment =25

Note: Medium of Examination in English, Hindi, Punjabi language.

**INSTRUCTIONS FOR PAPER SETTERS:-**

1. There will be five sections.
2. Section A Carries 15 marks and is compulsory consisting of eighteen short answer type questions of 1 marks each covering the whole syllabus. The candidate will have to attempt fifteen questions in section A.
3. Sections B, C, D and E will be set from unit I, II, III, &IV respectively and will consist of two questions of 15 marks each from the respective unit. The candidates are required to attempt one question from each of these sections.

**COURSE OBJECTIVES:**

To impart the knowledge of Entrepreneurship- which will help the students to start their enterprise.

**COURSE CONTENTS:**

**UNIT-I**

- Entrepreneurship
- Concept functions and need.

**UNIT-II**

- Characteristics of entrepreneurship.
- Process of entrepreneurship development.

**UNIT-III**

- Help and support to entrepreneurs

**UNIT-IV**

- Barriers to entrepreneurship

**BOOKS PRESCRIBED:**

1. Entrepreneurial Development- Dr. S. Moharana and Dr.Dash, Pub by RBSA Publishers, Jaipur.
2. Entrepreneurial Development by S.S. Khanna, Published by S. Chand & Company Ltd., Ram Nagar , New Delhi.
3. Entrepreneurial Development by C.B. Gupta and N.P.Srinivasen, Publisher Sultan Chand & sons, 1992. Entrepreneurial Development Principles. Policies and programme by P SaravanavePublishersEss Pee Kay Publishing house , Madras Published Chennai 1997.

## **COURSE OUTCOMES:**

COS1: Understand entrepreneurship concept as a whole.

COS2: Explain the role and importance of the small and medium sized enterprises in the economy.

COS3: Apply the various concepts to an understanding of new business creation and growth.

COS4: Understand business planning concept as a whole.



no change)  
Session-2022-23  
**Bachelor of Vocation (B.Voc.)**  
**(Software Development, Theatre and Stage Craft, Food Processing, Textile Design & Apparel Technology)**  
Semester – II  
**COMMUNICATION SKILLS IN ENGLISH–II**  
**BCSV-1229**

**Credit Hours(Per Week):4**

**Total Hours:60**

**Time: 3 Hours**

**Max. Marks: 50**

**Theory Marks: 25**

**Practical Marks: 12**

**Assessment: 13**

**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.

(5X5=25 Marks)

**Course Objectives:**

- I: To develop competence in oral and visual communication.
- II: To inculcate innovative and critical thinking among the students.
- III: To enable them to grasp the application of communication theories.
- IV: To acquire the knowledge of latest technology related with communication skills.
- V: To provide knowledge of multifarious opportunities in the field of this programme

**Course Contents:**

**SECTION–A**

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

**Activities:** Listening exercises- News and TV reports

**SECTION–B**

Attending telephone calls; 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**

Situation based Conversation in English, Essentials of Spoken English

**Activities:** Giving Interviews

**Recommended Books:**

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

**Course Outcomes:**

The completion of this course enables students to:

1. Identify common errors in language and rectify them.
2. Develop and expand writing skills through controlled and guided activities.
3. Develop coherence, cohesion and competence in oral discourse through intelligible pronunciation.
4. Develop the ability to handle the interview process confidently and learn the subtle nuances of an effective group discourse.
5. Communicate contextually in specific and professional situations with courtesy.

(no change)  
Session-2022-23  
**Bachelor of Vocation (B.Voc.)**  
**(Software Development, Theatre and Stage Craft, Food Processing, Textile Design & Apparel Technology)**  
Semester – II

**Practical Marks: 12**

**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 20minutes.

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

**B.Sc. (Hons. – Physics, Chemistry, Mathematics),  
B.Sc. Bio-Tech./IT/Fashion Designing/Food Sc./BCA, BA-JMC/ B.Sc. in  
Computational Statistics and Data Analytics, B.Voc. (Software Development,  
Theatre and Stage Craft, Food Processing, Textile Design & Apparel Technology)**

**SEMESTER-II  
ਲਾਜ਼ਮੀ ਪੰਜਾਬੀ**

ਸਮਾਂ : 3 ਘੰਟੇ

ਥਿਊਰੀ ਅੰਕ : 37  
ਇੰਟਰਨਲ ਅਸੈਸਮੈਂਟ : 13  
ਕੁੱਲ ਅੰਕ : 50

**ਪਾਠ-ਕ੍ਰਮ**

**ਭਾਗ-ਪਹਿਲਾ**

**ਸਾਹਿਤ ਦੇ ਰੰਗ** (ਭਾਗ ਦੂਜਾ - ਵਾਰਤਕ ਅਤੇ ਰੇਖਾ-ਚਿੱਤਰ)  
ਡਾ. ਮਹਿਲ ਸਿੰਘ (ਸੰਪਾ.), ਰਵੀ ਸਾਹਿਤ ਪ੍ਰਕਾਸ਼ਨ, ਅੰਮ੍ਰਿਤਸਰ।  
(ਕਿਸੇ ਲੇਖ ਅਤੇ ਰੇਖਾ-ਚਿੱਤਰ ਦਾ ਸਾਰ/ਵਿਸ਼ਾ-ਵਸਤੂ/ਨਾਇਕ ਬਿੰਬ)

**ਭਾਗ-ਦੂਜਾ**

**ਇਤਿਹਾਸਿਕ ਯਾਦਾਂ**  
ਸ. ਸ. ਅਮੋਲ (ਸੰਪਾ.), ਪੰਜਾਬੀ ਸਾਹਿਤ ਪ੍ਰਕਾਸ਼ਨ, ਅੰਮ੍ਰਿਤਸਰ।  
(ਨਿਬੰਧ 7 ਤੋਂ 12 ਤਕ ਸਾਰ/ ਵਿਸ਼ਾ-ਵਸਤੂ/ਸ਼ੈਲੀ)

**ਭਾਗ-ਤੀਜਾ**

(ੳ) ਸ਼ਬਦ-ਬਣਤਰ ਅਤੇ ਸ਼ਬਦ-ਰਚਨਾ - ਪਰਿਭਾਸ਼ਾ ਅਤੇ ਮੁੱਢਲੇ ਸੰਕਲਪ  
(ਅ) ਸ਼ਬਦ-ਸ਼੍ਰੇਣੀਆਂ

**ਭਾਗ-ਚੌਥਾ**

(ੳ) ਦਫ਼ਤਰੀ ਚਿੱਠੀ ਪੱਤਰ  
(ਅ) ਮੁਹਾਵਰੇ ਅਤੇ ਅਖਾਣ

**ਅੰਕ-ਵੰਡ ਅਤੇ ਪ੍ਰੀਖਿਅਕ ਲਈ ਹਦਾਇਤਾਂ**

1. ਸਿਲੇਬਸ ਦੇ ਚਾਰ ਭਾਗ ਹਨ ਪਰ ਪ੍ਰਸ਼ਨ-ਪੱਤਰ ਦੇ ਪੰਜ ਭਾਗ ਹੋਣਗੇ।
2. ਪਹਿਲੇ ਚਾਰ ਭਾਗਾਂ ਵਿਚ 02-02 ਪ੍ਰਸ਼ਨ ਪੁੱਛੇ ਜਾਣਗੇ। ਹਰੇਕ ਭਾਗ ਵਿਚੋਂ 01-01 ਪ੍ਰਸ਼ਨ ਕਰਨਾ ਲਾਜ਼ਮੀ ਹੋਵੇਗਾ। ਹਰੇਕ ਪ੍ਰਸ਼ਨ ਦੇ ਬਰਾਬਰ (08) ਅੰਕ ਹੋਣਗੇ।
3. ਪ੍ਰਸ਼ਨ ਪੱਤਰ ਦੇ ਪੰਜਵੇਂ ਭਾਗ ਵਿਚ ਸਾਰੇ ਸਿਲੇਬਸ ਵਿਚੋਂ 01-01 ਅੰਕ ਦੇ ਛੇ ਪ੍ਰਸ਼ਨ ਪੁੱਛੇ ਜਾਣਗੇ, ਜਿਨ੍ਹਾਂ ਵਿਚੋਂ 05 ਪ੍ਰਸ਼ਨਾਂ ਦੇ ਉੱਤਰ ਦੇਣਾ ਲਾਜ਼ਮੀ ਹੋਵੇਗਾ।
4. ਪੇਪਰ ਸੈੱਟ ਕਰਨ ਵਾਲਾ ਜੇਕਰ ਚਾਹੇ ਤਾਂ ਪ੍ਰਸ਼ਨਾਂ ਦੀ ਵੰਡ ਅੱਗੋਂ ਵੱਧ ਤੋਂ ਵੱਧ ਚਾਰ ਉਪ-ਪ੍ਰਸ਼ਨਾਂ ਵਿਚ ਕਰ ਸਕਦਾ ਹੈ।

**ਨੋਟ :** ਇੰਟਰਨਲ ਅਸੈਸਮੈਂਟ 13 ਅੰਕਾਂ ਦੀ ਹੈ, ਜੋ ਕਾਲਜ ਵੱਲੋਂ ਨਿਰਧਾਰਿਤ ਦਿਸ਼ਾ ਨਿਰਦੇਸ਼ਾਂ ਅਨੁਸਾਰ ਇਨ੍ਹਾਂ ਅੰਕਾਂ ਤੋਂ ਵੱਖਰੀ ਹੋਵੇਗੀ। ਇਸ ਪੇਪਰ ਦੇ ਕੁੱਲ ਅੰਕ  $37+13 = 50$  ਹਨ।

**B.Sc. (Hons. – Physics, Chemistry, Mathematics),  
B.Sc. Bio-Tech./IT/Fashion Designing/Food Sc./BCA, BA-JMC/ B.Sc. in  
Computational Statistics and Data Analytics, B.Voc. (Software Development,  
Theatre and Stage Craft, Food Processing, Textile Design & Apparel Technology)**

**SEMESTER-II**

**ਮੁੱਢਲੀ ਪੰਜਾਬੀ**

(In Lieu of Compulsory Punjabi)

ਸਮਾਂ : 3 ਘੰਟੇ

ਬਿਊਰੀ ਅੰਕ : 37  
ਇੰਟਰਨਲ ਅਸੈਸਮੈਂਟ : 13  
ਕੁੱਲ ਅੰਕ : 50

**ਪਾਠ-ਕ੍ਰਮ**

**ਭਾਗ-ਪਹਿਲਾ**

ਪੰਜਾਬੀ ਸ਼ਬਦ-ਬਣਤਰ :  
ਧਾਤੂ, ਵਧੇਤਰ (ਅਗੇਤਰ, ਮਧੇਤਰ, ਪਿਛੇਤਰ), ਪੰਜਾਬੀ ਕੋਸ਼ਗਤ ਸ਼ਬਦ ਅਤੇ ਵਿਆਕਰਨਕ ਸ਼ਬਦ

**ਭਾਗ-ਦੂਜਾ**

ਪੰਜਾਬੀ ਸ਼ਬਦ-ਪ੍ਰਕਾਰ :  
(ੳ) ਸੰਯੁਕਤ ਸ਼ਬਦ, ਸਮਾਸੀ ਸ਼ਬਦ, ਦੋਜਾਤੀ ਸ਼ਬਦ, ਦੋਹਰੇ/ਦੁਹਰੁਕਤੀ ਸ਼ਬਦ ਅਤੇ ਮਿਸ਼ਰਤ ਸ਼ਬਦ।  
(ਅ) ਸਿਖਲਾਈ ਤੇ ਅਭਿਆਸ

**ਭਾਗ-ਤੀਜਾ**

ਪੰਜਾਬੀ ਸ਼ਬਦ-ਰਚਨਾ :  
ਇਕ-ਵਚਨ/ਬਹੁ-ਵਚਨ, ਲਿੰਗ-ਪੁਲਿੰਗ, ਬਹੁਅਰਥਕ ਸ਼ਬਦ, ਸਮਾਨਅਰਥਕ ਸ਼ਬਦ, ਬਹੁਤੇ ਸ਼ਬਦਾਂ ਲਈ ਇਕ  
ਸ਼ਬਦ, ਸ਼ਬਦ ਜੁੱਟ, ਵਿਰੋਧਅਰਥਕ ਸ਼ਬਦ, ਸਮਨਾਮੀ ਸ਼ਬਦ

**ਭਾਗ-ਚੌਥਾ**

ਨਿੱਤ ਵਰਤੋਂ ਦੀ ਪੰਜਾਬੀ ਸ਼ਬਦਾਵਲੀ :  
ਖਾਣ-ਪੀਣ, ਸਾਕਾਦਾਰੀ, ਰੁੱਤਾਂ, ਮਹੀਨਿਆਂ, ਗਿਣਤੀ, ਮੌਸਮ, ਬਾਜ਼ਾਰ, ਵਪਾਰ, ਪੰਦਿਆਂ ਨਾਲ ਸੰਬੰਧਿਤ

**ਅੰਕ-ਵੰਡ ਅਤੇ ਪ੍ਰੀਖਿਅਕ ਲਈ ਹਦਾਇਤਾਂ**

1. ਭਾਗ ਪਹਿਲਾ ਵਿਚੋਂ ਚਾਰ ਪ੍ਰਸ਼ਨ ਪੁੱਛੇ ਜਾਣਗੇ ਜਿਨ੍ਹਾਂ ਵਿਚੋਂ ਤਿੰਨ ਪ੍ਰਸ਼ਨਾਂ ਦਾ ਉੱਤਰ ਦੇਣੇ ਲਾਜ਼ਮੀ ਹਨ। ਹਰ ਪ੍ਰਸ਼ਨ ਦੇ ਚਾਰ-ਚਾਰ ਅੰਕ ਹਨ। (3x4)=12 ਅੰਕ
2. ਭਾਗ ਦੂਸਰਾ ਵਿਚੋਂ ਦੋ-ਦੋ ਅੰਕ ਦੇ ਪੰਜ ਪ੍ਰਸ਼ਨ ਪੁੱਛੇ ਜਾਣਗੇ। ਸਾਰੇ ਪ੍ਰਸ਼ਨ ਲਾਜ਼ਮੀ ਹਨ। (5x2)=10 ਅੰਕ
3. ਭਾਗ ਤੀਸਰਾ ਵਿਚੋਂ ਚਾਰ ਪ੍ਰਸ਼ਨ ਪੁੱਛੇ ਜਾਣਗੇ ਜਿਨ੍ਹਾਂ ਵਿਚੋਂ ਦੋ ਪ੍ਰਸ਼ਨ ਹੱਲ ਕਰਨੇ ਲਾਜ਼ਮੀ ਹਨ। (2x5)=10 ਅੰਕ
4. ਭਾਗ ਚੌਥਾ ਵਿਚੋਂ ਦੋ ਪ੍ਰਸ਼ਨ ਪੁੱਛੇ ਜਾਣਗੇ ਜਿਨ੍ਹਾਂ ਵਿਚੋਂ ਇਕ ਪ੍ਰਸ਼ਨ ਹੱਲ ਕਰਨਾ ਹੋਵੇਗਾ। (1x5)=05 ਅੰਕ

**ਨੋਟ:** ਇੰਟਰਨਲ ਅਸੈਸਮੈਂਟ 13 ਅੰਕਾਂ ਦੀ ਹੈ, ਜੋ ਕਾਲਜ ਵੱਲੋਂ ਨਿਰਧਾਰਿਤ ਦਿਸ਼ਾ ਨਿਰਦੇਸ਼ਾਂ ਅਨੁਸਾਰ ਇਨ੍ਹਾਂ ਅੰਕਾਂ ਤੋਂ ਵੱਖਰੀ ਹੋਵੇਗੀ। ਇਸ ਪੇਪਰ ਦੇ ਕੁੱਲ ਅੰਕ 37+13 = 50 ਹਨ।

**B. A.; B.A. (SS); B. A. (Hons. – English); B. Com. (Hons., R, Ac. & Finance); B. Sc. Bio-Tech./Comp. Sc./Eco./FD/Food Sc./IT/Med./N.Med.; B.Sc. (Hons. –Botany, Chemistry, Mathematics, Physics, Zoology); B. of Mult.; B. in Int. & Mob. Tech.; BBA; BCA; BJMC; B. Voc. (Software Development, Theatre and Stage Craft, Food Processing, Textile Design & Apparel Technology)**

**SEMESTER–II**

**Course Code: BPHC-1204**

**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)**

**Credit Hours (per week): 04**

**Total Hours: 60**

**Time: 3 Hours**

**Total Marks: 50**

**Theory: 37**

**Internal Assessment: 13**

**Instructions for the Paper Setters:**

The question paper consists of five units: I, II, III, IV and V. Units I, II, III and IV will have two questions each. Each question carries 8 marks. The students are to attempt one question from each unit approximately in 800 words. Unit-V consists of 7 short answer type questions to be set from the entire syllabus. Students are to attempt any 5 questions in about 20 words each. Each question carries 1 mark.

**Note: The examiner is to set the question paper in two languages: English & Hindi.**

**Course Objectives:**The main objective of this course is to educate the students who are not domicile of the Punjab about the history and culture of the Ancient Punjab. It is to provide them knowledge about the social, economic, religious, cultural and political life of the people of the Punjab during the rule of various dynasties such as The Mauryans, The Khushans, The Guptas, The Vardhanas and other ancient ruling dynasties of the period under study.

**Unit-I**

1. The Punjab under Chandragupta Maurya and Ashoka.
2. The Kushans and their Contribution to the Punjab.82

**Unit-II**

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

**Unit-III**

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

**Unit-IV**

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



**Suggested Readings:-**

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

**Course Outcomes:****After completion of the course, the students will be able to learn:**

- CO-1 The history and culture of the Punjab in Ancient Period.
- CO-2 Social, economic, religious, cultural and political life of Ancient Indian dynasties.
- CO-3 Political developments from 7<sup>th</sup> century to 1000AD.
- CO-4 Socio-cultural history of the Punjab from 7<sup>th</sup> century to 1000AD.
- CO-5 Language, literature, art and architecture of Ancient Punjab.

**SEMESTER-II**  
**Course Code: ZDA121**  
**Course Title-DRUG ABUSE: PROBLEM, MANAGEMENT AND PREVENTION**  
**DRUG ABUSE: MANAGEMENT AND PREVENTION**  
**(Compulsory for all Under Graduate Classes)**

Credit Hours (per week): 1.5 hrs.  
Total Hours: 22.5 hrs.  
Max. Marks: 50

**Instructions for the Paper Setters:**

Section-A: (15 Marks): It will consist of five short answer type questions. Candidates will be required to attempt three questions, each question carrying 05 marks. Answer to any of the questions should not exceed two pages.

Section-B: (20 Marks) It will consist of four essay type questions. Candidates will be required to attempt two questions, each question carrying 10 marks. Answer to any of the questions should not exceed four pages.

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

**Course Objectives:**

The course aim is to

CO-1.	Describe the role of family in the prevention of drug abuse.
CO-2.	Describe the role of school and teachers in the prevention of drug abuse.
CO-3.	Emphasize the role of media and educational and awareness program.
CO-4.	Provide knowhow about various legislation and Acts against drug abuse.

**UNIT-I**

- **Prevention of Drug abuse**

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

**UNIT-II**

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

**UNIT-III**

- **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



## UNIT-IV

- **Legislation:** NDPS Act, Statutory warnings, Policing of Borders, Checking Supply/Smuggling of Drugs, Strict enforcement of laws, Time bound trials.

### References:

1. Extent, Pattern and Trend of Drug Use in India, Ministry of Social Justice and Empowerment, Government of India, 2004.
2. Gandotra, R. and Randhawa, J.K. 2018. *voZrl d[otos'A (BPky'oh) gqzXB ns o'eEkw.* Kasturi Lal & Sons, Educational Publishers, Amritsar- Jalandhar.
3. Inciardi, J.A. 1981. *The Drug Crime Connection.* Beverly Hills: Sage Publications.
4. Modi, Ishwar and Modi, Shalini (1997) *Drugs: Addiction and Prevention*, Jaipur: Rawat Publication.
5. Randhawa, J.K. and Randhawa, Samreet 2018. *Drug Abuse-Management and Prevention.* Kasturi Lal & Sons, Educational Publishers, Amritsar- Jalandhar.
6. Sain, Bhim 1991, *Drug Addiction Alcoholism, Smoking obscenity* New Delhi: Mittal Publications.
7. Sandhu, Ranvinder Singh, 2009, *Drug Addiction in Punjab: A Sociological Study.* Amritsar: Guru Nanak Dev University.
8. Singh, Chandra Paul 2000. *Alcohol and Dependence among Industrial Workers: Delhi: Shipra.*
9. *World Drug Report 2011*, United Nations office of Drug and Crime.
10. *World Drug Report 2010*, United Nations office of Drug and Crime

### Course Outcomes:

The students will be able to:

CO-1.	Understand the importance of family and its role in drug abuse prevention.
CO-2.	Understand the role of support system especially in schools and inter-relationships between students, parents and teachers.
CO-3.	Understand impact of media on substance abuse prevention.
CO-4.	Understand the role of awareness drives, campaigns etc. in drug abuse management.
CO-5	Learn about the Legislations and Acts governing drug trafficking and Abuse in India.

**PROGRAMME: Bachelor of Vocation in (B.Voc.)  
(Textile Design & Apparel Technology) (Semester-II)  
COURSE CODE: BVTD 12105  
COUSE TITLE: Garment Sewing (Practical)**

**Credit hours (per week) =Pr08hrs  
Total credit hours (per sem):Pr 120Hours**

**Maximum marks: 100  
Practical: 75  
Internal assessment: 25**

**INSTRUCTIONS OF PAPER SETTERS:** Paper will be set on the spot by the examiner.

**COURSE OBJECTIVES:**

✦ To enable the students to construct kids and women's wear.

**COURSE CONTENTS:**

Designing, drafting and construction of the following garments with suitable design features.

- Kids Wear
  1. Layette
  2. A line frock
  3. Romper
  4. Night suit
  5. Formal wear

**BOOKS PRESCRIBED:**

1. Sewing Basics, wendy Gardiner, Published 2003.
2. The Art of couture sewing by ZoyaNudelman, Published-8 June 2009.
3. The sewing Book ,Alison Smith, published Feb 2009.
4. Sewing Techniques and Patterns, Marie – nNaelle Bayard,(Sterling (Feb1,2007).
5. Complete Guide to Sewing , Readers Bigest, Published in 1976
6. The ultimate sewing book, Maggi McCormick Garden published- Collns& Browns (Jan 1, 2002)

**COURSE OUTCOMES:**

1. Students will gain basic understanding of garments, machines and their use in apparel and fashion industry
2. Students will be able to know about the different size charts and will be able to take measurements of the person
3. Students will develop an understanding of how different constructional tools help to make a perfect garment.
4. Students will be able to describe their garments in a more professional manner, by using the correct terminology.

**PROGRAMME: Bachelor of Vocation in (B.Voc.)  
(Textile Design & Apparel Technology) (Semester-II)  
COURSE CODE:-BVTD 12106  
COURSE TITLE: Introduction to Fashion (Theory)**

Credit hours (per week) =Th 02hrs  
Total credit hours (per sem):Th 30 hours

Maximum marks: 100  
Theory : 75  
Internal assessment: 25

**Note:-Medium of Examination in English, Hindi and Punjabi Language.**

**INSTRUCTION FOR PAPER SETTERS:-**

1. There will be five sections.
2. Section A Carries 15 marks and is compulsory consisting of eighteen short answer type questions of 1 marks each covering the whole syllabus. The candidate will have to attempt fifteen questions in section A.
3. Sections B, C, D and E will be set from unit I, II, III, &IV respectively and will consist of two questions of 15 marks each from the respective unit. The candidates are required to attempt one question from each of these sections.

**COURSE OBJECTIVES:**

To understand Fashion Terminology, Fashion Designers and Fashion Centers.  
The knowledge will enable the students to understand fashion industry.

**COURSE CONTENTS:**

**UNIT-I**

- Fashion terminology – fad, classic, high fashion, mass fashion, haute couture, pert-A-porter, boutique and silhouette.
- Fashion cycle

**UNIT-II**

- Indian fashion designers- any five
- International fashion designers- any five

**UNIT-III**

- World major fashion centers

**UNIT-IV**

- Fashion forecasting
- Theories of fashion adoption.

**BOOKS PRESCRIBED:**

1. Fashion From Concept to Consumer-Gini Stephens Frings, published-1982.
2. Ramup The Business of Indian Fashion ,HindolSengupta Piblisid-2009.
3. Introduction to Fashion Design, John Ireland,1992,B.TBatsford Ltd
4. On World of Fashion, Fourth Edition, Annalee Gold Published firrth edition (Jan 1,1987)

**COURSE OUTCOMES:**

- COS1-To understand fashion terminology, fashion designers and fashion centers.  
COS2-The knowledge will enable the students to understand fashion industry.

**PROGRAMME: Bachelor of Vocation in (B.Voc.)  
(Textile Design & Apparel Technology) (Semester-II)**

**COURSE CODE: BVTD12107**

**COURSE TITLE: Enterprise Planning (Theory)**

**Credit hours (per week) :Th02hrs  
Total credit hours (per sem):Th 30Hours**

**Maximum marks: 50  
Theory: 37  
Internal assessment: 13**

**Note:-Medium of Examination in English, Hindi and Punjabi Language.**

**INSTRUCTIONS OF PAPER SETTERS:-**

1. There will be five sections.
2. Section A Carries 9 marks and is compulsory consisting of eight short answer type questions of 1.5 marks each covering the whole syllabus. The candidate will have to attempt six questions in section A.
3. Sections B, C, D and E will be set from unit I, II, III, &IV respectively and will consist of two questions of 7 marks each from the respective unit. The candidates are required to attempt one question from each of these sections.

**COURSE OBJECTIVES:**

To help the students to understand planning of small scale business.

**COURSE CONTENTS:**

**UNIT-I**

- Business planning
- Characteristics of good planning

**UNIT-II**

- Steps in the Planning Process
- Resource Planning

**UNIT-III**

- Financial Strategy
- Knowing the Market

**UNIT-IV**

- Marketing Techniques for Business Promotion

**BOOKS PRESCRIBED:**

1. Entrepreneurial Development- Dr. S. Moharana and Dr.Dash, Pub by RBSA Publishers, Jaipur.
2. Entrepreneurial Development by S.S. Khanna, Published by S. Chand & Company Ltd., Ram Nagar , New Delhi.
3. Entrepreneurial Development by C.B. Gupta and N.P.Srinivasen, Publisher Sultan Chand & sons, 1992.
4. Entrepreneurial Development Principles. Policies and programme by P Saravanel, Publishers Ess Pee Kay Publishing house, Madras.(1997)
5. Inside The Fashion Business, Bennett Coleman.

**COURSE OUTCOMES:**

CO1-Learners will pick up about Foundation of Entrepreneurship Development and its theories.

CO2-Learners will explore entrepreneurial skills and management function of a company with special reference to SME sector.

CO3-Learners will identify the type of entrepreneur and the steps involved in an entrepreneurial venture.

CO4-Learners will understand various steps involved in starting a venture and to explore marketing methods & new trends in entrepreneurship

**PROGRAMME: Bachelor of Vocation in (B.Voc.)  
(Textile Design & Apparel Technology) Semester-II  
COURSE CODE-BVTD 12108**

**COURSE TITLE: Design Foundation & Basics of Textiles-II (Practical)**

**Credit hours (per week) :Pr02hrs  
Total credit hours (per sem):Pr 30Hours**

**Maximum marks: 50  
Practical: 37  
Internal assessment: 13**

**INSTRUCTION FOR PAPER SETTERS:** Paper will be set on the spot by the examiner.

**COURSE CONTENTS:**

- Basic Block Figures (Male, Female & Kid)
- Fleshing & Motions
- Analysis of hands, feet & face
- Rendering of Croquis
- Basic Weaves
  - Plain Weave
  - Basket Weave
  - Twill Weave
  - Satin Weave
  - Sateen Weave

**BOOKS PRESCRIBED:**

- Design of Foundation Systems: Principles and Practices Paperback – 1 January 2006  
by Nainan P. Kurian (Author)
- Foundation Analysis and Design by Joseph E. Bowles | 1 January 1977
- Foundation Analysis and Design by Joseph Bowles | 16 March 2001

**COURSE OUTCOMES:**

- CO1- They learn about design through application of elements of design.  
CO2- Students are able to create compositions using various color schemes.  
CO3-This enables them to differentiate about different yarns and fabrics.

**B.A./B.Sc. (Biotech., Food Sci., Comp. Sci., Eco., FD., IT., Med., Non Med.)/B.Sc. (Hons.-Physics, Chemistry, Maths)/B.B.A./B.C.A./B.Com./B.Com. (Hons.)/BJMC/BA Social Sciences/BA (Hons.) Punjabi, BA (Hons.) English, B.Voc (Food Processing, Theatre and Stage Craft, Software Development, Textile Design & Apparel Tech)**

**SEMESTER–III**

**Course code: ESL–221**

**Course Title: ENVIRONMENTAL STUDIES–I (COMPULSORY)**

**Credit Hours (Per Week): 2**

**Total Hours : 30**

**Maximum Marks : 50**

**Marks**

**Instructions for Paper Setters:** The question paper will consist of three sections. Candidate will be required to attempt all the sections. Each unit of the syllabus should be given equal weightage of marks. Paper to be set in English, Punjabi and Hindi.

**Section–A: (16 Marks):** It will consist of five short answer type questions. Candidates will be required to attempt four questions, each question carrying four marks. Answer to any of the questions should not exceed two pages.

**Section–B: (24 Marks):** It will consist of five questions. Candidates will be required to attempt four questions, each question carrying six marks. Answer to any of the questions should not exceed four pages.

**Section–C: (10 Marks):** It will consist of two questions. Candidate will be required to attempt one question (carrying ten marks) only. Answer to the question should not exceed 5 pages.

**Course Objectives:**

CO-1	The main goal of Environmental studies is to create the environmental awareness to create a safe, green and sustainable environment.
CO-2	To make students aware about the importance of ecosystem, types of ecosystem, energy flow in an ecosystem, ecological succession, food chain and food web.
CO-3	To make students aware of water conservation, global warming, consumerism and



	waste products. and, also about the environmental protection acts.
CO-4	Role of National Service Scheme (NSS). Health and hygiene.

## Unit-I

### The Multidisciplinary Nature of Environmental Studies:

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

### Natural Resources:

- Natural resources and associated problems:

**a) Forest Resources:** Use of over exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forests and tribal people.

**b) Water Resources:** Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems.

**c) Mineral Resources:** Use and exploitation, environmental effects of extracting and using mineral resources, case studies.

**d) Food Resources:** World food problems, change caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problem, salinity, case studies.

**e) Energy Resources:** Growing of energy needs, renewable and non-renewable energy resources, use of alternate energy sources, case studies.

1. **f) Land Resources:** Land as a resource, land degradation, soil erosion and desertification. Role of an individual in conservation of natural resources. Equitable use of resources for sustainable lifestyles.

## Unit-II

### Ecosystem:

- Concept of an ecosystem.
- Structure and function of an ecosystem.
- Producers, consumers and decomposers.
- Energy flow in the ecosystem.
- Ecological succession.
- Food chains, food webs and ecological pyramids.

Introduction, types, characteristic features, structure and function of the following ecosystems:

a. Forest ecosystem

b. Grassland ecosystem

c. Desert ecosystem

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

### **Unit-III**

#### **Social Issues and Environment:**

From unsustainable to sustainable development.

Urban problems related to energy.

Water conservation, rain water harvesting, watershed management.

Resettlement and rehabilitation of people; its problems and concerns. Case studies.

Environmental ethics: Issues and possible solutions.

Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust. Case studies.

Wasteland reclamation.

Consumerism and waste products.

Environmental Protection Act:

- Air (prevention and Control of Pollution) Act.
- Water (prevention and Control of Pollution) Act.
- Wildlife Protection Act.
- Forest Conservation Act.

Issues involved in enforcement of environmental legislation.

Public awareness.

### **Unit-IV**

#### **National Service Scheme**

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

#### **References/Books:**

1. Agarwal, K. C. 2001. Environmental Biology, Nidhi Publications Ltd. Bikaner.
2. Bharucha, E. 2005. Textbook of Environmental Studies, Universities Press, Hyderabad.
3. Down to Earth, Centre for Science and Environment, New Delhi.

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

**Course Outcomes:**

CO-1	To learn about the sustainable environment.
CO-2	To gain the knowledge ecosystem and its functioning.
CO-3	To know about the water conservation programs like rain water harvesting and water shedding and to gain knowledge of environmental (air, water and pollution) protections acts.
CO-4	To know about the role and importance of NSS– a volunteer organization, in making up a better environment and to maintain better health and hygiene.

**PROGRAMME: Bachelor of Vocation in (B.Voc.)  
(Textile Design & Apparel Technology) (Semester-III)  
COURSE CODE: BVTD 23102  
COURSE TITLE: Basics of Sewing Printing & Dyeing (Theory)**

Credit hours (per week) :Th02hrs  
Total credit hours (per sem):Th30Hours

Maximum marks: 50  
Theory: 37  
Internal assessment: 13

**Note:-Medium of Examination in English, Hindi and Punjabi Language.**

**INSTRUCTIONS FOR PAPERS SETTERS:**

1. There will be five sections.
2. Section A Carries 9 marks and is compulsory consisting of eight short answer type questions of 1.5 marks each covering the whole syllabus. The candidate will have to attempt six questions in section A.
3. Sections B, C, D and E will be set from unit I, II, III, &IV respectively and will consist of two questions of 7 marks each from the respective unit. The candidates are required to attempt one question from each of these sections.

**COURSE OBJECTIVES:**

- To impart the knowledge of basics of sewing and printing.
- To apply the knowledge in garment production and textile units.

**UNIT-I**

1. Terminology- Notches, grain, grain lines, centre front, back line, bias, bust line, Waistline, seam line, seams, seam allowances, darts, dart points, direction of dart Access.

**UNIT-II**

2. Anthropometric measurements- study of all body measurements, standards of body measurements, importance, standardization and size chart.
3. Drafting and its importance.

**UNIT-III**

4. Printing techniques- block, screen, resist, roller, and stencil.

**UNIT-IV**

5. Dyeing- classification of dyes, acid, basic, direct, reactive.

**BOOKS PRECRIBED:**

1. Rustarm; J. Mehta, "Masterpieces of Indian Textiles", (1970), D.B. Taraporevala Sons & Co., Pvt.Ltd.
2. JoyeeStorey, The Thames and Hudson- Manual of Textile Printing.' (1974), Thames and Hudson – London.
3. Abraham T.M., Handicraft of India, Graphics Columbia, New Delhi, 1964, Mulk Raj AnandMarg, Vol. VIII, 1954.
4. Helen Joseph Armstrong, Pattern making for Fashion Design, 2000, Dorling Kindersley (India) Pvt. Ltd. India.

## **COURSE OUTCOME:**

COS1- It enables the student about basics of stitching

COS2- Students will be able to understand darts, dart manipulation techniques

COS3- Students will be able to understand different methods of dyeing and printing

**PROGRAMME: Bachelor of Vocation in (B.Voc.)  
(Textile Design & Apparel Technology) (Semester-III)  
COURSE CODE: BVTD 23103  
COURSE TITLE: Pattern Making and Grading (Practical)**

**Credit hours (per week): Pr 02hrs  
Total hours (per sem):Pr 30Hours**

**Maximum marks: 75  
Practical: 56  
Internal assessment: 19**

**INSTRUCTIONS FOR PAPER SETTER**

: Practical Paper will be set on the spot by the examiner.

**COURSE OBJECTIVES:**

To teach different aspects of Pattern Making and Grading.

To enable the students to become a pattern maker in Garment Industry.

**COURSE CONTENTS**

**UNIT I**

➤ **Introduction to pattern making**

- Pattern making tools
- Pattern making terms.
- Study of various measurements ( incms and inches)  
Measurement charts, selection of right size, fitting problems.

**Child bodice block and sleeve block**

**Adult bodice block and sleeve block using metric system**

➤ • **Drafting of sleeves;**

- Circular sleeve
- Bishop sleeve
- Lantern sleeve
- Saddle sleeve

➤ • **Drafting of collars;**

- Bishop collar
- Coat collar
- Shawl collar
- Stand and fall collar
- Convertible collar

➤ • **Drafting of skirts;**

- Basic skirt
- Wrap around skirt
- Handkerchief skirt

➤ • **Developing contoured patterns;**

- Halter style
- Double breasted

## UNIT II

### ➤ **Dart manipulation;**

- Shifting of darts by pivot method, slash and spread method on full scale
- Single dart series
- Two dart series
- Multiple dart series
- Princess line n empire style line
- Style darts
- Yokes
- Gathers

### ➤ **Introduction to grading;**

- Grading of adult bodice block
- Grading of full sleeve
- Grading of skirt

## **BOOKSPRESCRIBED**

### **Essential Readings:**

1. Bernard Zamkoff and Jeanne Price, Creative Pattern Skills for Fashion Design (f.i.t. Collection), 1990, Publisher: Fairchild Books & Visual.
2. Helen Joseph Armstrong, Pattern making for Fashion Design, 2000, Dorling Kindersley (India) Pvt. Ltd. India.
3. Sandra Betzina, Fast Fit - Easy Pattern Alterations for Every Figure, 2003 Taunton Pr.

### **Further Readings:**

1. Gale GriggHazen,Fantastic Fit for Every Body, 1998, Published by Rodale press
2. Pati Palmer and Marta Alto Palmer, Fit for real People, 1998.,Pletsch Inc.,
3. Kathleen Maggio, Altered Clothing.
4. Pati Palmer and Susan Pletsch, Easy, Easier, Easiest Tailoring,; 2000., Published by Palmer/Pletsch Inc.

## **COURSE OUTCOMES**

CO1-1. To introduce pattern making technique as it is a vital tool in creating garments.

CO 2. To develop understanding regarding garment pattern blocks and how they relate to human body.

CO3. To make students understand the terms and symbols used for development of any pattern.

**PROGRAMME: Bachelor of Vocation in (B.Voc.)  
(Textile Design & Apparel Technology) (Semester-III)  
COURSE CODE: BVTD 23104  
COURSE TITLE: History of Costumes (Theory)**

Credit hours (per week):Th 04hrs  
Total credit hours (per sem):Th 60Hours

Maximum marks: 50  
Theory: 37  
Internal assessment: 13

Note:-Medium of Examination in English, Hindi and Punjabi Language.

**INSTRUCTIONS FOR PAPER SETTERS:**

- There will be five sections.
- Section A Carries 9 marks and is compulsory consisting of eight short answer type questions of 1.5 marks each covering the whole syllabus. The candidate will have to attempt six questions in section A.
- Sections B, C, D and E will be set from unit I, II, III, &IV respectively and will consist of two questions of 7 marks each from the respective unit. The candidates are required to attempt one question from each of these sections.

**COURSE OBJECTIVES:**

To impart the knowledge of world and Indian historic costumes.

**COURSE CONTENTS:**

**UNIT-I**

**1. Ancient Indian Civilization Costumes:-**

- Mauryan and Shunga period
- Satvahana period
- Gupta period

**UNIT-II**

**2.Traditional Costumes of India:-**

- North:- Punjab, Jammu and Kashmir, Haryana
- West:-Maharashtra, Gujarat.

**UNIT-III**

- East:- Assam, west Bengal, Orissa
- South:-Kerala, Karnataka, Tamil Nadu.

**UNIT-IV**

**3.Global Costumes:-**

- Greek period
- Roman period
- Egyptian period
- Byzantine period.



## **BOOKSPRESCRIBED:**

### **Essential Reading:**

1. A.Biswas, Indian Costumes, (2003), Publication Division
  2. ParulBhatnagar, Traditional Indian Costumes and Textiles, (2004), Abhishek Publications
- Further Reading:
3. J.R. Planche, History of British Costumes, 2001.
  4. Indian Textile Prints, (2004) the Pepline Press Agile Rabbit Editions.
  5. Ritu Kumar, Costumes and Textiles of Royal India, (1999), Christie's Book.
  6. Bradley, Carolyn G., Western World Costume, 1955, British Commonwealth.
  7. The Victoria and Albert Museum's Textile Collection British Textiles from 1850 to 1900 by Linda Parey V and A Publications.
  8. The Complete Costumes History (Tashon) AugusteRachinet (1825-1893)

## **COURSE OUTCOMES**

- COS1- Students will develop understanding about ancient Indian Civilization Costumes.
- COS2- Students will gain brief knowledge about Traditional Costumes of India.
- COS3- Learners will be able to impart the knowledge of global costumes.
- COS4- Evaluate and identify costumes of various periods for authenticity, fit, and appearance on a body in motion when viewing historic/period videos.

**PROGRAMME: Bachelor of Vocation in (B.Voc.)  
(Textile Design & Apparel Technology) (Semester-III)  
COURSE CODE: BVTD23105  
COURSE TITLE: CAD-I  
(Practical)**

**Credit hours (per week):Pr 02hrs  
Total credit hours (per sem):Pr 30Hours**

**Maximum marks: 50  
Practical: 37  
Internal assessment: 13**

**INSTRUCTIONS FOR PAPER SETTERS:**

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

**COURSE OBJECTIVES:**

To understand the fashion design concepts on computer.  
To acquaint students with knowledge of CAD based application in Fashion Designing.

**COURSE CONTENTS**

1. Sloper Development:
  - Basic Child Block
  - Basic Sleeve
  - Basic Adult Block
  - Basic Sleeve
2. Manipulation of Grain line, darts, seams.
3. Different types of skirts, sleeves, collars.
4. Pattern making, Grading and Layouts.

**BOOKS PRESCRIBED:**

1. Software Manuals
2. Joseph, Helen, Pattern Making for Fashion Designing
3. Coklin. Gerry, Pattern Grading for Women's Clothes

**COURSE COUTCOMES:**

COS1- Ability to understand & apply common design patterns to incremental development  
COS2- Students are enabling to understand about pattern making digitally. They understand about pattern software (JDPDS).  
COS3- Easy working on patterns for grading as pattern marker for layout.

**Bachelor of Vocation in (B.Voc.)  
(Textile Design & Apparel Technology) (Semester-III)  
COURSE CODE-BVTD 23106  
COURSE TITLE: Design Development-I  
(Practical)**

**Credit hours (per week) :Pr02hrs  
Total credit hours (per sem):Pr 30Hours**

**Maximum marks:75  
Practical: 56  
Internal assessment: 19**

**INSTRUCTIOS FOR PAPER SETTERS:**

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

**COURSE OBJECTIVES:**

To help students to understand flat sketching for fashion illustration.

**COURSE CONTENTS**

- **Flat sketching of various fashion details:**
  - Pockets
  - Sleeves
  - Cuffs
  - Necklines
  - Collars
  - Silhouettes
  - Skirts
  - Tops
- **Rendering of different fabric:**
  - Net,
  - Cotton
  - Jute
  - Silk
  - Velvet
  - Leather
  - Denim
  - Fur
- **Different silhouettes draping on fashion figures:**
  - A-line
  - Circular
  - Straight
  - Rectangular
  - Hourglass
  - Funnel shaped
- **Sketching of different accessories**
  - Bags
  - Jewelleries
  - Hats

- Footwear

### **BOOKS PRESRIBED:**

#### **Essential Reading:**

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:**

1. Allen and Seaman, Fashion Drawing – the Basic Principles, 1994, B.T. Batsford, London.
2. Seaman, Julian, Professional Fashion Illustration, 1995, B.T. Batsford, London.
3. Drake and Nicholas, “Fashion Illustrations”, 1995, Thames and Husdon, London.
4. AblingBina, Fashion Sketch Book, 2006, by Fairchild publication.
5. Vogue Sketch Catalogue.

### **COURSE OUTCOMES:**

COS1\_ Learners will be able to enhance their drawing skills and illustrate their ideas in different styles with rendering skills and detailing.

COS2- To enable students to gain knowledge of rendering textures of fabrics

COS3- To impart the knowledge of sketching of accessories for different age groups

COS4- Students will learn to draw fashion figures by understanding body proportions

COS5- To develop approach towards ideations and confidence in presenting work creatively

**PROGRAMME: Bachelor of Vocation in (B.Voc.)  
(Textile Design & Apparel Technology) (Semester-III)  
COURSE CODE: BVTD 23107  
COURSE TITLE: Garment Construction-I  
(Practical)**

Credit hours (per week) :Pr06hrs  
Total credit hours (per sem):Pr90Hours

Maximum marks: 50  
Practical: 37  
Internal assessment: 13

**INSTRUCTIONS FOR PAPER SETTERS:**

**Note:** Practical Paper will be set on the spot by the examiner.

**COURSE OBJECTIVE:**

To enable the students to construct theme based garments.

**COURSE CONTENT:**

**PRACTICAL**

- Women's wear
- 1. Petticoat
- 2. Blouse
- 3. Kameez
- 4. Salwar/ churidaar.
- 5. Skirts (A-Line, Pleated, Circular)

**BOOKS PRESCRIBED**

- 1 Joseph, Helen, Pattern Making for Fashion Designing
2. Coklin. Gerry, Pattern Grading for Women's Clothes
3. The Art of couture sewing by ZoyaNudelman.
4. The sewing Book ,Alison Smith
5. Sewing Techniques and Patterns, Marie – nNaelle Bayard
6. Complete Guide to Sewing , Readers Biggest
7. The ultimate sewing book, Maggi McCormick Garden
8. Technology of Clothing Manufacture, Harold Carr

**COURSE OUTCOMES:**

COS1 Students will gain the understanding regarding different garment components and their construction.

COS2- Students will be able stitch sleeves, necklines and other parts of garments.

B.A./B.Sc. (Biotech., Food Sci., Comp. Sci., Eco., FD., IT., Med., Non Med.)/B.Sc. (Hons.- Physics, Chemistry, Maths)/B.B.A./B.C.A./B.Com./B.Com. (Hons.)/BJMC/BA Social Sciences/BA (Hons.) Punjabi, BA (Hons.) English, B.Voc (Food Processing, Theatre and Stage Craft, Software Development, Textile Design & Apparel Tech)

#### SEMESTER–IV

Course Code: ESL–222

Course Title: ENVIRONMENTAL STUDIES–II (COMPULSORY)

Credit Hours (Per Week): 2

Total Hours : 30

Maximum Marks : 50

Marks

Instructions for Paper Setters: The question paper will consist of three sections. Candidate will be required to attempt all the sections. Each unit of the syllabus should be given equal weightage of marks. Paper to be set in English, Punjabi and Hindi.

Section–A: (16 Marks): It will consist of five short answer type questions. Candidates will be required to attempt four questions, each question carrying four marks. Answer to any of the questions should not exceed two pages.

Section–B: (24 Marks): It will consist of five questions. Candidates will be required to attempt four questions, each question carrying six marks. Answer to any of the questions should not exceed four pages.

Section–C: (10 Marks): It will consist of two questions. Candidate will be required to attempt one question (carrying ten marks) only. Answer to the question should not exceed 5 pages.

Course Objectives:

CO-1	To study the concept of Biodiversity – role, importance, values and its conservation. Hot spots and threats to biodiversity.
CO-2	To create awareness regarding environmental pollution, its causes and effects and preventive measure to control the different types of pollution.
CO-3	To make students aware of growing human population – causes and concern. Family welfare programs. Road safety (Traffic) rules.
CO-4	To know about entrepreneurship development and civil/self defense.

## Unit-I

### Biodiversity and its Conservation:

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

## Unit-II

### Environmental Pollution:

- Definition, causes, effects and control measures of:
  - a) Air Pollution
  - b) Water Pollution
  - c) Soil Pollution
  - d) Marine Pollution
  - e) Noise Pollution
  - f) Thermal Pollution
  - g) Nuclear Hazards
  - h) Electronic Waste
- Solid Waste Management: Causes, effects and control measures of urban and industrial wastes.
- Role of an individual in prevention of pollution.
- Pollution case studies.
- Disaster Management: Floods, Earthquake, Cyclone and Landslides.

## Unit-III

### Human Population and the Environment

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

#### Unit-IV

#### National Service Scheme:

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

#### Field Visits:

- Visit to a local area to document environmental assets—river/forest/grassland/hill/mountain.
- Visit to a local polluted site—Urban/Rural/Industrial/Agricultural.
- Study of common plants, insects, birds.
- Study of simple ecosystems—pond, river, hill slopes etc.
- Contribution of the student to NSS/any other social cause for service of society.
- Visit to Museum/Science City

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

#### References/Books:

1. Agarwal, K. C. 2001. Environmental Biology, Nidhi Publications Ltd. Bikaner.
2. Bharucha, E. 2005. Textbook of Environmental Studies, Universities Press, Hyderabad.
3. Down to Earth, Centre for Science and Environment, New Delhi.
4. Jadhav, H. & Bhosale, V. M. 1995. Environmental Protection and Laws. Himalaya Pub.
5. Joseph, K. and Nagendran, R. 2004. Essentials of Environmental Studies, Pearson Education (Singapore) Pte. Ltd., Delhi.



6. Kaushik, A. & Kaushik, C. P. 2004. Perspective in Environmental Studies, New Age International (P) Ltd, New Delhi.
7. Miller, T. G. Jr. 2000. Environmental Science, Wadsworth Publishing Co.
8. Sharma, P. D. 2005. Ecology and Environment, Rastogi Publications, Meerut.
9. Booklet on Safe Driving. Sukhmani Society (Suvidha Centre), District Court Complex, Amritsar
10. Kanta, S., 2012. Essentials of Environmental Studies, ABS Publications, Jalandhar.

**Course Outcomes:**

CO-1	To know about the meaning of Biodiversity and its role in environment.
CO-2	To know about the causes of different forms of pollution and their control measures.
CO-3	To know about the causes and challenges of growing human population. Women and child welfare programs.
CO-4	To know the development of entrepreneurship and techniques of civil/self defense.

**PROGRAMME: Bachelor of Vocation in (B.Voc.)  
(Textile Design & Apparel Technology) (Semester-IV)  
COURSE CODE: BVTD 24102  
COURSE TITLE: Traditional Textiles  
(Theory)**

Credit hours (per week):Th 04+ Pr 02 hrs hrs  
Total hours (per sem):Th 60+ Pr 30 Hours

Maximum marks: 100  
Theory: 37  
Practical: 37  
Internal assessment: 26

Note:-Medium of Examination in English, Hindi and Punjabi Language.

**INSTRUCTIONS FOR PAPER SETTERS:**

1. There will be five sections.
2. Section A Carries 9 marks and is compulsory consisting of eight short answer type questions of 1.5 marks each covering the whole syllabus. The candidate will have to attempt six questions in section A.
3. Sections B, C, D and E will be set from unit I, II, III, &IV respectively and will consist of two questions of 7 marks each from the respective unit. The candidates are required to attempt one question from each of these sections.

**COURSE OBJECTIVES:**

To gain knowledge of traditional textiles of India.

**COURSE CONTENTS**

- |   |                 |
|---|-----------------|
|   | <b>UNIT-I</b>   |
| 1.Colored textiles:- <ul style="list-style-type: none"><li>• Patola</li><li>• Ikat</li><li>• Bandhani</li></ul>   |                 |
|   | <b>UNIT-II</b>  |
| 2. Woven textiles:- <ul style="list-style-type: none"><li>• Chanderi</li><li>• Maheshwari</li><li>• Kanjiwaram</li><li>• Baluchari</li><li>• Brocades</li></ul> |                 |
|   | <b>UNIT-III</b> |
| 3.Painted <ul style="list-style-type: none"><li>• Kalamkari</li></ul>   |                 |

## UNIT-IV

Study of following traditional embroideries – Introduction, types, history, decorative stitches, Techniques and colour combinations.

- Phulkari
- Kantha
- Chikankari
- Kashida
- Chamba Rumal

## PRACTICAL

### INSTRUCTIONS FOR PAPER SETTER

: Practical Paper will be set on the spot by the examiner.

### COURSE CONTENTS

- **Sample making of the following:-**
  1. Phulkari of Punjab,
  2. Kantha of Bengal,
  3. Chikankari of U.P
  4. Kashida
  5. ChambaRumal
  6. Kasuti/ Kutch
- **Dyeing**
  1. Tie and Dye
- **Make any 2 article by using any embroidery and dye.**

### **BOOKS PRESCRIBED**

1. Indian Embroidery – SavitriPandit.
2. Bhatnagar, Parul – Traditional Indian Textiles.
3. Irwin and Hall Indian Embroideries, Published by S.R. Bastikar, P.B. 28, Ahmedabad.
4. Rustarm; J. Mehta, “Masterpieces of Indian Textiles”, (1970), D.B. Taraporewala Sons &Co., Pvt.Ltd.
5. JoyeeStorey, The Thames and Hudson- Manual of Textile Printing.’ (1974), Thames and Hudson – London.
6. Abraham T.M., Handicraft of India, Graphics Columbia, New Delhi, 1964, Mulk Raj Anand Marg, Vol. VIII, 1954.
7. Textile Arts of India ,KyotoShoin

### **Further Reading:**

1. BhushanBrijJamila , The Costumes and Textiles of India, 1958, D.B. Taraporewala Sons and Co., Ltd, Bombay.
2. Bhattacharyya A.K, ChambaRumal, 1968, Indian Museum, Calcutta.
3. Dongerkery, Kamala S., Romance of Indian Embroidery, 1951, Thacker & Co. Ltd. Bombay.
4. DhamijaJasleen., TheKanthas of Bengal, 1971, The Times of India Annual.
5. Irwin John and Schwartz P.R., Studies in Indo-European textiles, 1966, Calico Museum of textile, Ahmedabad.
6. Irwin and Hall, Indian Embroideries, Published by S.R. Bastikar, P.B. 28, Ahmedabad.
7. Joshi Indira, Kasuti of Karnatak, Popular Prakashan, Bombay 1963.
8. Indian Embroidery – SavitriPandit.

**COURSE OUTCOMES:**

COS1 to impart the knowledge of traditional design and motifs of textiles

COS2 Students will be able to explore their ideas through embroidery techniques

COS3 Students will be able to differentiate between embroidery works of different states

**PROGRAMME: Bachelor of Vocation in (B.Voc.)  
(Textile Design & Apparel Technology) (Semester-IV)  
COURSE CODE: BVTD24103  
COURSE TITLE: Draping  
(Practical)**

**Credit hours (per week):Pr 02hrs  
Total hours (per sem):Pr 30Hours**

**Maximum marks: 50  
Practical: 37  
Internal assessment-13**

**INSTRUCTIONS FOR PAPER SETTER**

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

**COURSE OBJECTIVES:**

To impart the knowledge of Indian and Global fashion market.

**COURSE CONTENTS**

- Draping of basic bodice block
  1. Front
  2. Back
- Basic variation
  1. Classic princess line ,( front and back)
  2. Cowl neckline , halter neck
  3. Yoke
  4. Armhole
  5. Front bodice with French darts, Shoulder darts' centre front dart
  6. Intersecting darts
  7. Asymmetric darts
  8. Dart with gathered leg
  9. The basic empire
- Draping of bustier

**BOOKS PRESCRIBED:**

**Essential Readings:**

1. Bernard Zamkoff and Jeanne Price, Creative Pattern Skills for Fashion Design (f.i.t. Collection), 1990, Publisher: Fairchild Books & Visual.
2. Helen Joseph Armstrong, Pattern making for Fashion Design, 2000, Dorling Kindersley (India) Pvt. Ltd. India.
3. Sandra Betzina, Fast Fit - Easy Pattern Alterations for Every Figure, 2003 Taunton Pr.
4. Helen Joseph- Armstrong, Draping for Apparel Design, Oct. 1999 Publisher: Fairchild Books & Visual.
5. Connie Amaden – Crawford, The art of fashion Draping, 2nd edition (Oct. 1995) Publisher: Fairchild Books, K Visual.
6. Hilde Jaffe, Jurie Reus, Draping for Fashion Design, 1993, Prentice Hall Carrer& Technology.

**Further Readings:**

1. Gale GriggHazen,Fantastic Fit for Every Body, 1998, Published by Rodale press
2. Pati Palmer and Marta Alto Palmer, Fit for real People, 1998.,PletschInc.,Kathleen Maggio, Altered Clothing.
3. Pati Palmer and Susan Pletsch, Easy, Easier, Easiest Tailoring,; 2000., Published by Palmer/Pletsch Inc.,

## **COURSE OUTCOMES**

CO1- Students will be able to apply the learned techniques of draping to develop a product

CO2- Easily enables the student formation of design in Three-dimensional way

CO3- They are able to transform draping pattern into dress.

**PROGRAMME: Bachelor of Vocation in (B.Voc.)  
(Textile Design & Apparel Technology) (Semester-IV)**

**COURSE CODE: BVTD 24104**

**COURSE TITLE: Quality Control  
(Theory)**

**Credit hours (per week):Th 02 hrs**

**Total hours (per sem):Th 30Hours**

**Maximum marks: 50**

**Theory : 37**

**Internal assessment-13**

**Note:-Medium of Examination in English, Hindi and Punjabi Language.**

**INSTRUCTIONS FOR PAPER SETTERS:**

1. There will be five sections.
2. Section A Carries 9 marks and is compulsory consisting of eight short answer type questions of 1.5 marks each covering the whole syllabus. The candidate will have to attempt six questions in section A.
3. Sections B, C, D and E will be set from unit I, II, III, &IV respectively and will consist of two questions of 7 marks each from the respective unit. The candidates are required to attempt one question from each of these sections.

**COURSE OBJECTIVES:**

To enable the students to learn about quality control in apparel industries.

**COURSE CONTENTS:**

**UNIT-I**

- Define Quality Control:- Importance of Quality and Quality control

**UNIT-II**

- Fabric defects:- Pre-sewing and sewing defects.

**UNIT-III**

- Concept of total quality management
- Accessory testing:- Sewing threads, buttons, laces, hooks, elastics.

**UNIT-IV**

- Apparel quality assurance in packing
  - Importance
  - Types
  - Scope and importance
  - Shipping procedure

**BOOKS PRESCRIBED:**

1. Managing Quality in the Apparel Industry ,Pradip Mehta(NIFT)
2. Technology of Clothing Manufacture, Harold Carr
3. Total Quality Management- a practical approach , Wiley Eastern
4. Introduction to Quality Control, Pradip V Mehta

**COURSE CONTENTS:**

COS1- It imparts among students steps to ensure products before supplying

COS2- It enables students how costumer needs and expectations are met

COS3- It helps students to impart knowledge about different funds ad costing

COS4- It enables students to understand different quality control strateg

**PROGRAMME: Bachelor of Vocation in (B.Voc.)  
(Textile Design & Apparel Technology) (Semester-IV)**

**COURSE CODE: BVTD24105**

**COURSE TITLE: CAD-II  
(Practical)**

**Credit hours (per week):Pr 02hrs  
Total hours (per SEM):Pr 30Hours**

**Maximum marks: 50  
Practical: 37  
Internal assessment-13**

**INSTRUCTIONS FOR PAPER SETTERS:**

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

**COURSE OBJECTIVES:**

To understand the fashion design concepts on computer.

To acquaint students with knowledge of CAD based application in Fashion Designing.

**COURSE CONTENTS:**

- Introduction to basic tools of the fashion software.
- Designing 10 outfits on the following themes:
  - Season
  - Party wear
  - Sports
  - Casual
  - Beach
  - Club
  - Night
  - Evening
  - Uniform
  - Ethnic wear

**BOOKSPRESCRIBED:**

1. Software Manuals

**COURSE OUTCOMES:**

COS1- Students will be able to understand the fashion design concepts on computer

COS2- Students will gain knowledge about different themes required in the field of fashion.

COS3- Students will be able to make designs digitally in Coral Draw and Adobe Photoshop

COS4-To develop and conceptualize their designs and creations.



**PROGRAMME: Bachelor of Vocation in (B.Voc.)  
(Textile Design & Apparel Technology) (Semester-IV)**

**COURSE CODE: BVTD 24106**

**COURSE TITLE: Design Development-II  
(Practical)**

**Credit hours (per week):Pr 02hrs  
Total hours (per SEM):Pr 30Hours**

**Maximum marks: 50  
Practical: 37  
Internal assessment-13**

**INSTRUCTIONS FOR PAPER SETTERS:**

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

**COURSE OBJECTIVE:**

To teach students Professional illustrations which will help them in garment designing.

**COURSE CONTENTS:**

Design at least 4 dresses of each and one on Croquis

- Indian Traditional wear.
- Casual Wear.
- Kids Wear.
- Western Formal Wear.
- Office Wear

Each theme must have Mood Board, Colour Board, Swatch Board, Garment Specification sheet and Costing sheet.

**BOOKS PRESCRIBED:**

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,.
3. Seaman, Julian, "Professional Fashion Illustration", 1995, B.T. Batsford London,
4. Drake and Nicholas, "Fashion Illustration", 1994, Thames and Hudson London.
5. Elisabetta Drudi, T.Paci, "Figure Drawing for Fashion", 2002, The Pepin Press.
6. Bina Abling, "Fashion Illustration", 2008, Fairchild Publication.
7. Bina Abling, "Fashion Rendering with Color", 200, Fairchild Publication.
8. Thames & Hudson, "Vogue Sketch Catalogue", 1911, Si New House.

**COURSE OUTCOMES:**

COS1- Learners will be able to enhance their drawing skills and illustrate their ideas in different styles with rendering skills and detailing

COS2- To enable students to gain knowledge of rendering textures of fabrics

COS3- To impart the knowledge of sketching of accessories for different age groups

COS4- Students will learn to draw fashion figures by understanding body proportions.

COS5- To develop approach towards ideations and confidence in presenting work creatively.

**PROGRAMME: Bachelor of Vocation in (B.Voc.)  
(Textile Design & Apparel Technology) (Semester-IV)  
COURSE CODE: BVTD 24107  
COURSE TITLE: Garment Construction-II  
(Practical)**

**Credit hours (per week):Pr 04hrs  
Total hours (per SEM):Pr 60Hours**

**Maximum marks: 100  
Practical: 75  
Internal assessment:25**

**INSTRUCTIONS FOR PAPER SETTERS:**

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

**COURSE OBJECTIVE:**

To enable the students to construct women's wear

**COURSE CONTENTS:**

**PRACTICAL**

- Design and construct women dresses on the following theme:-
- Indian traditional dress.
- Western party wear.
- Office wear.
- Night wear.
- Casual wear- (Culottes, Skirt-pleated, peg, flared, Tops with cowl and turtle neckline).

**BOOKS PRESCRIBED:**

**Essential Reading:**

- 1) McCall's Sewing in Colour, 1971, Butterick Publishing co.
- 2) Singer Sewing Book, 1943, Mary Brooks Picken, Kessinger Publishing.
- 3) Measure, Cut and Sew, Holt Rinehart and Winson.1922, McMillain Publishing Company.
- 4) Bray N., Dress Pattern Designing, 2003 (5th edition) Willey Blackwell.
- 5) Helen Joseph Armstrong, Pattern Making for Fashion Design 2005, Prentice Hall.
- 6) Tata Sharon Lee, "Inside Fashion Design", 1977, Francisco Canfield Press,
- 7) Ireland Patrick John, Fashion Design Drawing and Presentation, 1996, B.T. Batsford London,
- 8) Seaman, Julian, Professional Fashion Illustration, 1995, B.T. Batsford London,
- 9) Drake and Nicholas, "Fashion Illustration", 1994, Thames and Hudson London.

**Further Reading:**

- 1) Basic Pattern Skills for Fashion Design by Bernard Zamkoff, 1997, Fairchild Publication,.
- 2) Ernestine Koff, Design Apparel through Flat Pattern, 2006, Cole Publishing Co.
- 3) Martin Shoben, Pattern Cutting & Making Up, 1987, Butterworth, Heimeneman.
- 4) Hilde Jaffe, Draping for Fashion Design, 2007, Claudia Barbara.
- 5) Ireland, Patrick John, Fashion Design Drawing and Presentation 1996," , B.T. Batsford,
- 6) London,.
- 7) ElisabettaDrudi, T.Paci, "Figure Drawing for fashion", 2002, The Pepin Press.
- 8) BinaAbling, Fashion Illustration, 2008, Fairchild Publication.
- 9) BinaAbling, Fashion Rendering with Color, , 200, Fairchild Publication.
- 10) Thames &Hudson, Vogue Sketch Catalogue, 1911, Si New House.

**COURSE OUTCOMES:**

**CO1-** Students will gain the understanding regarding different garment components and their construction.

**CO2-** Students will be able to stitch sleeves, necklines and other parts of garments.

**CO3** Students will be able to construct complete garment.

**PROGRAMME: Bachelor of Vocation in (B.Voc.)  
(Textile Design & Apparel Technology) (Semester-V)**

**COURSE CODE: BVTD 35101**

**COURSE TITLE: Enterprise Management  
(Theory)**

**Credit hours (per week) =Th 04Hrs**

**Total credit hours (Per Sem):Th 60Hours**

**Maximum marks: 50**

**Theory=37**

**Internal assessment =13**

**Note:-Medium of Examination in English, Hindi and Punjabi Language.**

**INSTRUCTIONS FOR PAPER SETTERS:**

1. There will be five sections.
2. Section A Carries 9 marks and is compulsory consisting of eight short answer type questions of 1.5 marks each covering the whole syllabus. The candidate will have to attempt six questions in section A.
3. Sections B, C, D and E will be set from unit I, II, III, &IV respectively and will consist of two questions of 7 marks each from the respective unit. The candidates are required to attempt one question from each of these sections.

**COURSE OBJECTIVES:**

To help the students to understand planning of small scale business.

**COURSE CONTENTS:**

**UNIT-I**

- Management:- Introduction: Meaning and Nature of Management, Management Approaches, Processes, Managerial Skills, Tasks and Responsibilities of a Professional Manager.
- Planning and Controlling:- Planning Types and Process, Management by Objectives, Decision-Making Types and Models, Problem Solving Techniques.

**UNIT-II**

- Financial Management
- Nature and Scope of Financial Management;
- Financial Objectives; Impact of Financial and Economical Environment on Financial Management

**UNIT-III**

- Introduction to customer relationship management, measuring customer relationship management, customer response, satisfaction, loyalty, customer relation and complaint management. Overview of Supply Chain Management, Purchase Management.

**UNIT-IV**

- Change & Innovation Management
- Change Management: Understanding the Nature& Importance of Change, Types of Change. Innovations Management: Invention vs. Innovation; Innovation Strategies, Models; Process Innovation. Economics of Innovation.
- Creative and Lateral Thinking Management: Creative Thinking, Lateral Thinking.

**BOOKS PRECRIBED:**

1. Entrepreneurial Development- Dr. S. Moharana and Dr.Dash, PubbyRBSAPublishers,Jaipur.
2. Entrepreneurial Development by S.S. Khanna, Published by S. Chand &Company Ltd., Ram Nagar ,NewDelhi.
3. Entrepreneurial Development by C.B. Gupta and N.P.Srinivasen, Publisher Sultan Chand & sons,1992.
4. Entrepreneurial Development Principles. Policies and programme by PS aravanavel, Publishers Ess Pee Kay Publishing house ,Madras.
5. Inside The Fashion Business, BennettColema

**COURSE OUTCOMES:**

CO1-Learners will pick up about Foundation of Entrepreneurship Development and its theories

CO2- Learners will explore entrepreneurial skills and management function of a company with special reference to SME sector.

CO3- Learners will identify the type of entrepreneur and the steps involved in an entrepreneurial venture.

CO4- Learners will understand various steps involved in starting a venture and to explore marketing methods & new trends in entrepreneurship.

**PROGRAMME: Bachelor of Vocation in (B.Voc.)  
(Textile Design & Apparel Technology) (Semester-V)**

**COURSE CODE: BVTD 35102**

**COURSE TITLE: Introduction Knitting Skills  
(Theory)**

**Credit hours (per week) =Th 04hrs+Pr 02hrs  
Total credit hours(per sem): Th 60hrs+Pr 30hrs**

**Maximum marks: 100  
Theory: 37  
Practical=37  
Internal assessment =26**

**Note: Medium of Examination in English, Hindi, Punjabi language.**

**INSTRUCTIONS FOR PAPER SETTERS:**

1. There will be five sections.
2. Section A Carries 9 marks and is compulsory consisting of eight short answer type questions of 1.5 marks each covering the whole syllabus. The candidate will have to attempt six questions in section A.
3. Sections B, C, D and E will be set from unit I, II, III, &IV respectively and will consist of two questions of 7 marks each from the respective unit. The candidates are required to attempt one question from each of these sections.

**COURSEOBJECTIVES:**

- To impart knowledge about knitting technology.
- To enable students to develop practical skills of knitting.

**COURSE CONTENTS**

**UNIT-I**

- Introduction to knitting industry
- Important definition of knitting terms- Course Length, Technically Upright ,Sewn Bind Off, Dye Lot, Gauge, English Knitting, Continental Knitting, Stitch Density .
- Working of knitting needles.
- Loop formation and construction of knitting stitches. - Plain stitch - Purl stitch – Miss stitch- Tuck stitch.

**UNIT-II**

- Classification of weft knitted fabrics - Single jersey - Rib – Purl knit - Interlock - Double knit fabric - High pile knit - Fully fashioned knit - Knitted terry - Knitted velour - Knitted jacquard – Knitted intarsia

**UNIT-III**

- Classification of warp knits – Identification of warp knitted fabric- Tricot fabric, Raschel knit fabric
- Yarns for warp knitted fabric
- Types and properties
  - Fabric characteristics
- Difference between Raschel and Tricot fabric

## **UNIT-IV**

- Production calculation of knitted garment
- Production methods of knitted garments
- Difference between knitted and woven fabrics

## **PRACTICAL**

### **INSTRUCTIONS FOR PAPER SETTERS:**

1. Set 4 questions of which, students are required to attempt any three.
2. Two question carry equal 09 marks. One question carries 08 marks

### **COURSE CONTENTS:**

- Knitting
- Hand knitting
- Tools, material, techniques
- Types of knitting and knitting needles, ribs, laces, cables, cross and knitted, making of knitting samples, ribs, laces, cables, cross and Purl.
- Preparation of any one article.

### **BOOKS PRESCRIBED**

1. Brackenbury Terry, “Knitting Clothing Technology”, Blackwell Science,UK.
2. Spancer David J, “Knitting Technology”, PergemanPress
3. GrammerofTextileDesign-Nisbet
4. Structural Fabric DesignBy-Kilby
5. Fibre to FabricByGhosh

### **COURSE OUTCOMES**

CO1-To impart comprehensive knowledge in textile manufacturing processes and quality assurance aspects necessary for successful career in industry and higher studies

CO2-.To develops leadership and problem solving skills in graduates to make them industry ready.

CO3- To encourage the graduates for innovation and entrepreneurship in textile engineering.

CO4-To inculcate professional, ethical and sustainable practices of textile engineering in undergraduate students.

**PROGRAMME: Bachelor of Vocation in (B.Voc.)  
(Textile Design & Apparel Technology) (Semester-V)**

**COURSE CODE: BVTD 35103**

**COURSE TITLE: Technical Surface Designing-I  
(Practical)**

**Credit hours (per week) =Pr 02Hrs  
Total credit hours(per sem): Pr 30Hours**

**Maximum marks: 50  
Practical=37  
Internal assessment =13**

**INSTRUCTIONS FRO PAPER SETTERS:**

**Note:** Practical Paper will be set on the spot by the examiner.

**COURSE OBJECTIVES:**

- Students will be able to This helps learn the art of surface ornamentation.
- Student will learn about needle craft.
- Students will enable to gain the knowledge of different embroidery techniques.
- Students will enable to learn the different painting techniques

**COURSE CONTENT**

**PRACTICAL**

- **Quilting & Patch work:** - Introduction, tools, material, techniques and types of embroidery – Cut work, Cross stitch, couching, Glass work, drawn thread work.
- **Crochet:** - Introduction, tools, material, techniques and types – Single, double, circular, making crochet samples.
- **Special techniques:** - Smocking, ribbon work, beads and sequence work, hand fabric painting, stencil printing & block printing
- Developing two products based on techniques of Surface Ornamentation (one or more).  
Make samples by various Weaving techniques
  - Plain Weave
  - Twill Weave
  - Satin Weave
  - Sateen Weave
  - Cut-Pile Weave & Uncut- Pile Weave.

**BOOKS PRESCRIBED:**

1. Indian Embroidery –SavitriPandit.
2. Bhatnagar, Parul – Traditional Indian Textiles.
3. Irwin and Hall Indian Embroideries, Published by S.R. Bastikar, P.B. 28,Ahmedabad.



## **COURSE CONTENTS:**

CO1- Students will be able to explore and bring into practice their ideas through embroidery techniques.

CO2-. Student will be able to understand the application of different embroidery to techniques to create 2D and 3D effects.

CO3-. Students will be able to create innovative designs by combining number of stitches and by using creative raw material

CO4-. Students will be able to develop utility articles with the help of basic embroidery stitches

**PROGRAMME: Bachelor of Vocation in (B.Voc.)  
(Textile Design & Apparel Technology) (Semester-V)**

**COURSE CODE: BVTD 35104**

**COURSE TITLE -E- Designing  
PRACTICAL**

**Credit hours (per week) =Pr 04Hrs  
Total credit hours(per sem):Pr 60Hours**

**Maximum marks: 50  
Practical=37  
Internal assessment =13**

**INSTRCTIONS FOR PAPER SETTERS:**

**Note:** Practical Paper will be set on the spot by the examiner.

**COURSE OBJECTIVES:**

- To understand the fashion design concepts on computer.
- To acquaint students with knowledge of CAD based application in Fashion Designing.
- Students can learn the Creating labels, Logos ,Posters Designing methods
- Students will enable to understand technological aspect by Corel Draw Software
- Students can learn faster and more software in less time but

**COURSE CONTENTS.**

- **Designing in Corel Draw.**
1. Create motifs / small designs
  2. Create logos for branded companies
  3. Creating labels:-
    - Name label
    - Size label
    - Care label
  4. Drawing fashion silhouettes using different Textile motifs in CorelDraw
  5. Design the collection of any two latest National Designer
  6. Design the collection of any two latest International Designer

**BOOKS PRESCRIBED:**

1. The CorelDraw Book Paperback – 14 May 1999 by Linnea Dayton (Author),Shane Hunt (Author),Sharon Steuer(Author)
2. CorelDRAW X7 User Guide - CorelCorporation
3. CorelDRAW 2018 User Guide - Corel Corporation

## **COURSE OUTCOMES**

CO1-Students will discover how does web works really, what makes web sites work.

CO2- Simple and impressive design techniques, from basics till advanced to focus on goal oriented and user centric designs.

CO3-How to and where to start research, planning for website & actually build excellent web sites.

CO4- Pro level skills in SEO with keyword research and content strategy for your website.

CO5-To create web elements like buttons, banners & Bars and of course complete UI designs.

**PROGRAMME: Bachelor of Vocation in (B.Voc.)  
(Textile Design & Apparel Technology) (Semester-V)  
COURSE CODE: BVTD 25105  
COURSE TITLE: Advance Draping & Garment Construction  
(Practical)**

**Credit hours=Pr 04 hrs**

**Total credit hours :Pr 60hrs Hours**

**Max.Max.Marks: 50**

**Practical: 37**

**Internal Assessment: 13**

**INSTRUCTIONS FOR PEPER SETTER:**

- Practical Paper will be set on the spot by the examiner.

**COURSE OBJECTIVES:**

- Students will able to learn the basic draping techniques
- Students will familiarize with draping method for different kinds of garments
- Students will able to develop different patterns through Pattern Making
- Students will gain practical knowledge of different Skirts, Sleeves and collars
- Students will able to learn about tools and equipment of Draping.

**COURSE CONTENTS:**

- Draping of basic skirt block
  1. Front
  2. Back
    - Skirt variation
      1. A line skirt with flair
      2. Gathered skirt with yoke
      3. Pleated skirt with yoke
      4. Circular skirt
      5. Skirt with frills,/tiers
        - Collars
          1. Mandarin collar
          2. Peter pan collar
          3. Turtleneck collar
            - Basic sleeve
            - Draping of pants
            - Draping and stitching of any three garments with Draping

**BOOKS PRESCRIBED:**

1. Helen Joseph- Armstrong, Draping for Apparel Design, Oct. 1999 Publisher: Fairchild Books & Visual.
2. Connie Amaden – Crawford, The art of fashion Draping, 2nd edition (Oct. 1995) Publisher: Fairchild Books, K Visual.
3. Hilde Jaffe, Jurie Reus, Draping for Fashion Design, 1993, Prentice Hall Carrer & Technology

**COURSE OUTCOMES:**

- CO1. Students will able to learn the basic draping techniques.
- CO2. Students will familiarize with draping method for different kinds of garments.
- CO3. Students will able to develop different patterns through Pattern Making.
- CO4. Students will gain practical knowledge of different Skirts, Sleeves and collars.
- CO5. Students will able to learn about tools and equipment of Draping

**PROGRAMME: Bachelor of Vocation in (B.Voc.)  
(Textile Design & Apparel Technology) (Semester-V)  
COURSE CODE: BVTD 35106  
COURSE TITLE: Advance Rendering & Stylization  
(Practical)**

**Credit hours (per week) =Pr 04 Hrs  
Total credit hours (per sem):Pr 60Hours**

**Maximum marks: 50  
Practical=37  
Internal assessment =13**

**INSTRUCTIONS FOR PAPER SETTERS:**

**Note:** Practical Paper will be set on the spot by the examiner.

**COURSE OBJECTIVES:**

- Students will learn flat sketching for fashion illustration.
- Students will learn different rendering techniques
- To increase the proficiency in drawing skills
- Students will able to learn different elements of illustrations
- Students are able to execute flat drawing and design to communicate the mood and image of fashion design.
- 

**COURSE CONTENTS**

**PRACTICAL**

1. Basic Men's Croquis and also in various poses
2. **Create Traditional Prints & Motifs** -Kalamkari, Ajrak,,Paisley,Damask, Madhubani,Chintz
3. **Illustrate the male and female trends by using different Prints & motifs :-**( any 4)
  - Casual Wear
  - Traditional Wear
  - Party Wear
  - Indo western Wear
  - Evening Wear

**BOOKS PRESCRIBED:**

1. Abling Bina,“Fashion Sketch Book”,2006 byFairchildPublication
2. StanSmith,“TheIllustrationhandbook”1984byMacdonldCo.
3. Julian Seaman,“ Professional Fashion Illustration” by B.T.BatsfordLtd.
4. Kathryn McKelvey“ IllustratingFashion”byBlack wellScience.
5. IrelandPatrickJohn,“FashionDesignDrawingPresentation”,1996B.T.BatsfordLtd

**COURSE OUTCOMES:**

- CO1. Students will develop an approach towards ideation.
- CO2. Students will learn to draw fashion figures by understanding body proportions.
- CO3. They will be able to drape the desired idea of their design onto the fashion figure.
- CO4. They will be able to enhance their rendering skills using different colour mediums

**PROGRAMME :Bachelor of Vocation in (B.Voc.)  
(Textile Design & Apparel Technology) (Semester-V)**

**COURSE CODE: BVTD 35107**

**COURSE TITLE: Survey & Project Report**

**PRACTICAL**

**Credit hours (per week) =Pr 04Hrs  
Total credit hours(per sem):Pr 60Hours**

**Maximum marks: 50  
Practical=37  
Internal assessment =13**

**INSTRCTIONS FOR PAPER SETTERS:**

**Note:** Practical Paper will be set on the spot by the examiner.

**COURSE OBJECTIVES:**

- To gain knowledge of different fabrics and trimmings available in the market.
- To enable students to learn the sourcing of various fashion materials
- Enables the students to get the knowledge of different fabrics.
- Students will enable to learn the loom variations.

**COURSE CONTENTS**

**PRACTICAL**

**Market Survey on:-**

- Handloom Fabrics
- Power loom fabrics
- Trimmings & Notions
- Students should submit the report at the end of the semester which includes Introduction, History, Types, Objectives and Collections of different fabric swatches.

**COURSE OUTCOMES :**

CO1-Students will be able to find the role of museum in their life and will be able to appreciate its existence in our society.

CO2. Students will be able to conduct research on crafts of India and present their research in a practical industry accepted format.

CO3. Students will build an understanding and confidence to give design solutions to the artisans for further evolution of the crafts.

CO4. Students will be able to use handicraft techniques and apply the same in their collections

**Programme-Bachelor of Vocation in (B.Voc.)  
(Textile Design & Apparel Technology) (Semester-VI)  
Course code-BVTD 36101  
Course title: Fashion Merchandising (Theory)**

Credit hours (per week) =Th 04hrs  
Total credit hours (per sem): Th 60 Hours

Maximum marks: 50  
Theory =37  
Internal assessment =13

**Note:-Medium of Examination in English, Hindi and Punjabi Language.**

**INSTRCTIONS FOR PAPER SETTERS:**

- There will be five sections.
- Section A Carries 9 marks and is compulsory consisting of eight short answer type questions of 1.5 marks each covering the whole syllabus. The candidate will have to attempt six questions in section A.
- Sections B, C, D and E will be set from unit I, II, III, &IV respectively and will consist of two questions of 7 marks each from the respective unit. The candidates are required to attempt one question from each of these sections.

**COURSE OBJECTIVES:**

- To know about Fashion merchandising
- To know the role and responsibilities of fashion merchandising
- To learn about the types of merchandising
- To know about fashion show, Exhibitions and Displays.
- To know about sales Promotion and advertising

**COURSE CONTENTS**

**UNIT-I**

- Introduction to Merchandising:
- Merchandising terminology - role and responsibilities of merchandiser – types of merchandisers – fashion merchandiser, export merchandiser, retail merchandiser and Visual merchandiser.

**UNIT-II**

- Roles of buyer and merchandiser: Rights of fashion merchandising - roles of buyer - skill set of good fashion buyer- role of fashion merchandiser - skill set of good fashion merchandiser - own label versus branded buying and merchandising- fashion buyer and merchandiser job description

**UNIT-III**

- 6 R's of fashion merchandising, fashion forecasting, fashion interpretation, merchandise resource planning, and elements of planning, capacity planning, merchandising calendar, KPI measurements, buying and selling seasons in different market.

**UNIT-IV**

- Fashion merchandising range planning: Introduction to range planning- range plan optional plan -qualitative and quantitative aspects-range planning process
- Fashion merchandising: Sizing, deliveries and allocation: Merchandiser supplier relationship, size curves, initial allocations-managing purchase orders and deliveries

Trading: Planning versus trading, repeats and cancellations, promotional planning, end of season sale.

### **BOOKS PRESCRIBED**

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; Ellen Diamond, The World of Fashion , 2007, Fairchild.
5. Gini Stephens Frings, Fashion from Concepts to Consumer, 1982, Prentice hall
6. Tony Hines, Fashion Marketing, 2006, Butter Worth – Heinemann
7. Rosemary Varley, Retail Product Management : Buying and Merchandising, 2005, Routledge
8. John Giacobello, Careers in fashion Industry, 2000, Rosel Pub. Group

### **COURSE OUTCOMES:**

- CO1 To know about Fashion merchandising
- CO2 To know the role and responsibilities of fashion merchandising
- CO3 To learn about the types of merchandising
- CO4 To know about fashion show, Exhibitions and Displays.
- CO5 To know about sales Promotion and advertising



**PROGRAMME: Bachelor of Vocation in (B.Voc.)  
(Textile Design & Apparel Technology) (Semester-VI)  
COURSE CODE=BVTD 36102  
COURSE TITLE: Eco Textiles and Sustainable Clothing (Theory)**

Credit hours (per week) =Th 04hrs  
Total credit hours ( per Sem)=Th 60 Hours

Maximum marks: 50  
Theory =37  
Internal assessment =13

Note:-Medium of Examination in English, Hindi and Punjabi Language.

**INSTRUCTIONS FOR PAPER SETTERS:**

- There will be five sections.
- Section A Carries 9 marks and is compulsory consisting of eight short answer type questions of 1.5 marks each covering the whole syllabus. The candidate will have to attempt six questions in section A.
- Sections B, C, D and E will be set from unit I, II, III, &IV respectively and will consist of two questions of 7 marks each from the respective unit. The candidates are required to attempt one question from each of these sections.

**COURSE OBJECTIVES:**

- To learn about the development and maintenance of healthy and safe work environment.
- To provide education on work health and safety.
- To create awareness among students about health and safety at workplace.
- To learn how to set effective safety goals for an organization.
- To learn various prevention measures for safe work environment

**COURSE CONTENTS:**

**UNIT-I**

- Introduction: Differences between chemical & green processes, rules/recommendations for using chemicals, raw materials & waste handling for sustainable textiles & clothing.
- Treatment and disposal of textile effluents. Treatment processes of sewage.

**UNIT-II**

- Eco-friendly chemical processing: Modern approaches to eco-friendly wet processing of woven and knitted clothing. Red listed textile chemicals, their sources and remedies.
- Eco-friendly dyes and their method of dyeing.

**UNIT-III**

- Introduction and importance of recycling and up cycling for growing source of innovative design in the fashion and accessories, processing, production and their applications.

**UNIT-IV**

- Manufacturing rights- Ethical and environmental issues relating to textiles and fashion industry.
- Ethical, standard practices for sourcing of sustainable fashion clothing and accessory.

## **BOOK PRESCRIBED**

- Grammer of Textile Design-Nisbet Structural Fabric Design By-Kilby
- Fiber to Fabric By Ghosh
- Watson's Advance Textiles Design.
- The Textile Book by Colin Gale; jasvir Kaur Berg, 2002

## **COURSE OUTCOMES:**

CO1 To learn about the development and maintenance of healthy and safe work environment.

CO2 To provide education on work health and safety.

CO3 To create awareness among students about health and safety at workplace. CO4 To learn how to set effective safety goals for an organization.

CO5 To learn various prevention measures for safe work environment

**PROGRAMME: Bachelor of Vocation in (B.Voc.)  
(Textile Design & Apparel Technology) (Semester-VI)  
COURSE CODE: Paper-BVTD 36103  
COURSE TITLE: Custom made Sewing  
PRACTICAL**

**Credit hours (per week) =Pr 07hrs  
Total credit hours ( per Sem):Pr 105 Hours**

**Maximum marks= 50  
Practical =37  
Internal assessment =13**

**Note:** Paper will be set on the spot by the examiner.

**COURSE OBJECTIVES**

- To gain the knowledge of client profile
- To impart knowledge about customers on order stitching
- To deal with customers
- To learn how to manage the boutique
- To gain the knowledge about measurement charts, specification sheets and cost sheet

**INSTRUCTIONS FOR PAPER SETTERS:**

- Question paper of consist of 3 questions and a candidate has to attempt 2 out of these.  
Paper will be set on the spot by the examiner.

**COURSE CONTENTS**

- Prepare 2 garments for kid,2 for women & 1 for men on order with specialization in any one theme given below:
- With specification sheet, customer profile, specs sheets.
  - Party wear
  - Traditional wear
  - Office wear
  - Indo- western

**BOOKS PRESCRIBED:**

1. The Art of couture sewing by Zoya Nudelman.
2. The sewing Book ,Alison Smith
3. Sewing Techniques and Patterns, Marie – nNaelle Bayard
4. Complete Guide to Sewing , Readers Bigest
5. The ultimate sewing book, Maggi Mc Cormick Garden.

**COURSE OUTCOMES :**

- Co1. To gain the knowledge of client profile  
CO2. To impart knowledge about customers on order stitching  
CO3. To deal with customers  
CO4. To learn how to manage the boutique  
CO5. To gain the knowledge about measurement charts, specification sheets and cost sheet

**PROGRAMME: Bachelor of Vocation in (B.Voc.)  
(Textile Design & Apparel Technology) (Semester-VI)  
COURSE CODE: Paper-BVTD 36104  
COURSE TITLE: Portfolio Development  
PRACTICAL**

**Credit hours (per week) =Pr 07hrs  
Total hours (per Sem):Pr 105 Hours**

**Maximum marks: 100  
Practical :75  
Internal assessment :25**

**Note:** Paper will be set on the spot by the examiner.

**COURSE OBJECTIVES**

- To develop portfolio for different type of audiences
- To rendering of different garments on the model with emphasis on the fabric, texture, color and style details
- To learn drapability of various garment styles in a variety of fabrics stitched and draped are observed and illustrated
- To provide the opportunity to demonstrate your skills and fit in a visual format
- To exhibit the student inclination towards and particular segment of the industry by identifying target customers, design requirements and pricing.

**INSTRCTIONS FOR PAPER SETTERS**

- Question paper of Practical consists of 3 questions and a candidate has to attempt 2 out of these. Paper will be set on the spot by the examiner.

**COURSE CONTENTS**

- Portfolio based on theme
- Development of different Mood boards, Story Board, swatch board.
- Theme selection and design development.
- Customer Profile
- Compile portfolio with previous best work

**BOOKS PRESCRIBED**

1. Ireland, Patrick John, Fashion Design Drawing and Presentation, 1996, B.T. Batsford London.
2. Allen and Seaman, Fashion Drawing – the Basic Principles, 1994, B.T. Batsford, London.
3. Seaman, Julian, Professional Fashion Illustration, 1995, B.T. Batsford, London.
4. Drake and Nicholas, “Fashion Illustrations”, 1995, Thames and Husdon, London.
5. Abling Bina, Fashion Sketch Book, 2006, by Fairchild publication.

**COURSE OUTCOMES:**

CO1. To develop portfolio for different type of audiences

CO2. To rendering of different garments on the model with emphasis on the fabric, texture, color and style details

CO3. To learn drapability of various garment styles in a variety of fabrics stitched and draped are observed and illustrated

CO4. To provide the opportunity to demonstrate your skills and fit in a visual format

CO5. To exhibit the student inclination towards and particular segment of the industry by identifying target customers, design requirements and pricing.

**PROGRAMME: Bachelor of Vocation in (B.Voc.)  
(Textile Design & Apparel Technology) (Semester-VI)  
COURSE CODE-BVTD 36105  
COURSE TITLE: Technical Surface Designing-II  
PRACTICAL**

**Credit hours (per week) :Pr 04hrs  
Total credit hours ( per Sem):Pr 60 Hours**

**Maximum marks=50  
Practical =37  
Internal assessment =13**

**Note:** Paper will be set on the spot by the examiner.

**COURSE OBJECTIVES:**

- To know about the different printing methods.
- To get the knowledge about varies techniques of tie and dye.
- To learn the various methods of fabric painting
- To learn the quilting process
- To get the knowledge of embroidery stitches Instructions for the Examiner

**INSTRUCTIONS FOR PAPER SETTERS:**

- Question paper of Practical consists of 3 questions and a candidate has to attempt 2 out of these. Paper will be set on the spot by the examiner

**COURSE CONTENT:**

**Prepare any five articles from below given techniques**

- Stencil Printing
- Block Printing
- Screen Printing
- Tie and Dye
- Shibori
- Appliqué Work
- Sequin Work

**BOOKS PRESCRIBED:**

1. Indian Embroidery-Svitri Pandit
2. Bhatnagar ,Parul-Traditional indian Textiles
3. Abraham T.M ,Handicraft of India,Graphics Columbia,New Delhi,1964,Mulk Raj Anand Marg, Vol.VIII,1954
4. Textiles Arts of India,Kyoto Shoin

**COURSE OUTCOMES**

- CO1.To know about the different printing methods.  
CO2. To get the knowledge about varies techniques of tie and dye.  
CO3. To learn the various methods of fabric painting  
CO4. To learn the quilting process  
CO5. To get the knowledge of embroidery stitches

**PROGRAMME: Bachelor of Vocation in (B.Voc.)  
(Textile Design & Apparel Technology) (Semester-VI)  
COURSE CODE: Paper-BVTD 35106  
COURSE TITLE: Design and Display  
PRACTICAL**

**Credit hours (per week) =Pr 04hrs  
Total credit hours (per Sem):Pr 60 Hours**

**Maximum marks= 50  
Practical =37  
Internal assessment =13**

**Note:** Paper will be set on the spot by the examiner.

**COURSE OBJECTIVES:**

- To enable the students to organize exhibitions
- To learn how to prepare displays.
- To empower them to set up fashion boutiques
- 

**INSTRUCTIONS FOR PAPER SETTERS:**

- Question paper of Practical consists of 3 questions and a candidate has to attempt 2 out of these. Paper will be set on the spot by the examiner

**COURSE CONTENT:**

- Layout design and illustration for different kinds of design and display (any four)
- Window display for a specific store boutique or shop
- Prepare Mood board and story board and props for display

**BOOKS PRESCRIBED:**

1. Ireland, Patrick John, Fashion Design Drawing and Presentation, 1996, B.T. Batsford London.
2. Allen and Seaman, Fashion Drawing – the Basic Principles, 1994, B.T. Bats ford, London.
3. Seaman, Julian, Professional Fashion Illustration, 1995, B.T. Bats ford, London.
4. Drake and Nicholas, “Fashion Illustrations”, 1995, Thames and Husdon, London.
5. Abling Bina, Fashion Sketch Book, 2006, by Fairchild publication.

**COURSE OUTCOMES:**

- CO1. To enable the students to organize exhibitions  
CO2. To learn how to prepare displays.  
CO3. To empower them to set up fashion boutiques

**PROGRAMME: Bachelor of Vocation in (B.Voc.)  
(Textile Design & Apparel Technology) (Semester-VI)  
COURSE CODE: Paper-BVTD 36107  
COURSE TITLE: Internship Report**

**Note:** Paper will be set on the spot by the examiner.

**COURSE OBJECTIVE:**

- To enhance the industrial experience during training
- To understand develop and enhance professional awareness and communication skills.
- To learn how to work in formal working environment and the benefits of team work.
- To experience to understand, discuss and evaluate the professional issues relating to textile.

All the students will submit their Training Reports (in duplicate) within a period of one month in the department; this period shall be counted from the last date of completion of their training. The supervisor in the organization under whose guidance the training is carried out will be required to grade the student's report.

Each student will be attached with one internal faculty guide, with whom they shall be in continuous touch during the training period. The internal faculty guide will be required to evaluate (13 marks) on the basis of the assessment report provided by the organization where the Training has been completed and his/her own assessment about the work done by the student.

The evaluation of the remaining (37 marks) shall be evaluated on the basis of presentation and the assessment report received from the organization where student has under gone. Students can do their trainings in different areas of their interest- Garment Industry, Boutique, Fashion Stylist, Designer, fashion houses, Textile Industry.

**COURSE OUTCOMES:**

CO1 To enhance the industrial experience during training

CO2 To understand develop and enhance professional awareness and communication skills.

CO3 To learn how to work in formal working environment and the benefits of team work.

CO4 To experience to understand, discuss and evaluate the professional issues relating to textile.