



**EVALUATION SCHEME & DETAILED SYLLABUS
FIRST & SECOND SEMESTER
(TEXTILE DESIGN)**





UTTARAKHAND BOARD OF TECHNICAL EDUCATION
JOINT ENTRANCE EXAMINATION AND TRAINING, RESEARCH DEVELOPMENT CELL, DEHRADUN
STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME

BRANCH NAME–TEXTILE DESIGN

SEMESTER –FIRST

Subject Code	Subject	L	T	P	T O T	EVALUATION SCHEME						Total Marks	Credit Point
						Internal		External					
		Period/Weeks				Theory	Practical	Theory		Practical			
		Max Marks	Max Marks	Max Marks	Hrs.	Max Marks	Hrs.						
101001	English communication-I*	4	-	2	6	20	30	50	2.30	50	3:00	150	2
191002	Drawing and study of object	2	-	3	5	-	40	-	-	100	-	140	4
191003	Concept of Design & color	2	-	3	5	-	40	-	-	100	3:00	140	4
191004	Textile Raw Material	2	-	3	5	20	20	70	2.30	50	3:00	160	4
191005	Woven Fabric Design-I	2	-	3	5	20	20	70	2.30	50	3:00	160	4
191006	Indian Traditional Textile Design -I	2	-	2	4	20	20	70	2.30	50	-	160	4
101007	Basic Computer Education-I*	-	-	2	2	-	20	-	-	20	3:00	40	3
191051	General Proficiency#	-	-	4	4	-	25	-	-	-	-	25	-
191052	Industrial Exposure (Assessment at Inst. Level)+	-	-	-	-	-	25	-	-	-	-	25	-
TOTAL		14	-	22	36	80	240	260	-	420	-	1000	25

***COMMON TO BRANCH CODE 10/11/19**

#General Proficiency will comprise of various co-curricular activities like games, hobby clubs, seminars, declamation contests, extension lectures, NCC, NSS, cultural activities and discipline etc.

+Industrial visit compulsory at minimum 2 Industries or Department.

Note: 1- Each period will be 50 minutes. 2- Each session will be of 16 weeks.
 3- Effective teaching will be at least 12.5 weeks.

Branch Code -19



UTTARAKHAND BOARD OF TECHNICAL EDUCATION
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STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME

BRANCH NAME-TEXTILE DESIGN

SEMESTER -SECOND

Subject Code	Subject	L	T	P	T O T	EVALUATION SCHEME						Total Marks	Credit Point
						Internal			External				
						Theory		Practical	Theory		Practical		
						Max Marks	Max Marks	Max Marks	Hrs.	Max Marks	Hrs.		
102001	English communication-II*	4	-	2	6	20	30	50	2.30	50	3.0	150	2
192002	Drawing & Rendering	2	-	2	4	-	40	-	-	100	3.0	140	4
192003	Principle of Design	2	-	3	5	-	40	-	-	100	3.0	140	4
192004	Yarn Manufacturing	2	-	3	5	20	20	70	2.30	50	3.0	160	4
192005	Indian Traditional Textile Design-II	2	-	3	5	20	20	70	2.30	50	3.0	160	4
192006	Woven Fabric Design-II	2	-	3	5	20	20	70	2.30	50	3.0	160	4
102007	Basic Computer Education-II*	-	-	2	2	-	20	-	-	20	3.0	40	3
192051	General Proficiency#	-	-	4	4	-	25	-	-	-	-	25	-
192052	Industrial Exposure (Assessment at Inst. Level)+	-	-	-	-	-	25	-	-	-	-	25	-
TOTAL		14	-	22	36	80	240	260	-	420	-	1000	25

***COMMON TO BRANCH CODE 10/11/19**

#General Proficiency will comprise of various co-curricular activities like games, hobby clubs, seminars, declamation contests, extension lectures, NCC, NSS, cultural activities and discipline etc.

+Industrial visit compulsory at minimum 2 Industries or Department.

Note: 1- Each period will be 50 minutes. 2- Each session will be of 16 weeks.

3- Effective teaching will be at least 12.5 weeks.

Branch Code -19

L	T	P
4	-	2

Subject Code : 101001**RATIONALE**

Interpersonal communication is a natural and necessary part of organizational life. Yet, communicating effectively can be challenging because of our inherent nature to assume, overreact to and misperceive what actually is happening. Poor communication or lack of communication is often cited as the cause of conflict and poor teamwork. In today's team oriented workplace, managing communication and developing strategies for creating shared meaning are crucial to achieve results and create successful organizations. The goal of the Communicating Skills course is to produce civic-minded, competent communicators. To that end, students must demonstrate oral as well as written communication proficiency. These include organizational and interpersonal communication, public address and performance. The objectives of this subject are understanding how communication works, gaining active listening and responding skills, understanding the importance of body language, acquiring different strategies of reading texts and increasing confidence by providing opportunities for oral and written expressions

DETAILED CONTENTS

- 1. COMMUNICATION SKILLS** **(16 Periods)**
 - 1.1 Introduction and Process of Communication
 - 1.2 Objectives of Communication
 - 1.3 Verbal and Non-verbal Communication
 - 1.4 Process of Communication
 - 1.5 Listening and Speaking Skills and Sub-Skills

(All topics should be in detail)

- 2. GRAMMAR AND USAGE** **(16 Periods)**
 - 2.1 Syntax (Parts of speech)
 - 2.2 One word substitution
 - 2.3 Correct the incorrect sentences
 - 2.4 Pair of words
 - 2.5 Tenses

- 3. WRITING SKILLS** **(12 Periods)**
 - 3.1 Writing Paragraphs
 - 3.2 Picture Composition
 - 3.3 Developing writing skills based on some audio-visual stimulus

4. READING COMPREHENSION SKILLS

(10 Periods)

Unseen comprehension passages (at least 3 passages of literary, scientific, data Interpretation).

5. Translation

(10 Periods)

1. Translation from Hindi to English.
2. Glossary of administrative terms.

LIST OF PRACTICALS

(Note: The following contents are only for practice. They should not be included in the final theory examination)

DEVELOPING ORAL COMMUNICATION SKILLS

- Greeting, Starting a Conversation
- Introducing Oneself
- Introducing Others
- Leave Taking
- Thanking, Wishing Well
- Talking about Oneself
- Talking about Likes and Dislikes
- Mock Interview

SUGGESTED DISTRIBUTION OF MARKS

Topic No.	Period Allotted (Hrs)	Marks Allotted (%)
1	16	25
2	16	25
3	12	20
4	10	15
5	10	15
Total	64	100

RECOMMENDED BOOKS

1. Communicating Effectively in English, Book-I by Revathi Srinivas; Abhishek Publications, Chandigarh.
2. High School English Grammar and Composition by Wren and Martin; S. Chand & Company Ltd., Delhi.
3. Communication Techniques and Skills by R. K. Chadha; Dhanpat Rai Publications, New Delhi.

Drawing and Study of Object

L	T	P
2	-	3

Subject Code : 191002

RATIONALE

The students of textile design are supposed to have knowledge and skills regarding the study of various object of nature and surrounding. Hence, in this subject, students will learn the basics of Drawing and object for various fabric and quality particulars of different textile.

Theory for Practical Exercise:-

1. Understanding of different shapes of objects, opaque and transparent objects glazed and rough surface.
2. Study of nature like leaves, flowers fruits, vegetable etc.
3. Study of drapery
4. Object and use of different mediums

Practical Exercise

1. Draw different shaped object like round (pot, kettle) square (match box, duster etc) And to do them following mediums (stylization of mention object)
(a.) Pencil shading (b) Black pen and ink
2. Different types of leaves, stems and flowers. Composition of flowers and leaves.
(a) pencil shading (b) water colour
3. Different types of fruits and vegetables using different mediums
4. Sketching of fishes, butterflies, jewelry, toys, masks with the medium of pencil colour.

Note :-

1. Understanding of different shades of objects, opaque and transparent object, glazed and rough surface.
2. Object and use of different colour medium.
3. Study of objects in nature like leaves, flowers, vegetables, fruits etc.

SUGGESTED DISTRIBUTION OF MARKS

Topic No.	Period Allotted (Hrs)	Marks Allotted (%)
1	10	30
2	8	30
3	6	20
4	8	20
Total	32	100

L	T	P
2	-	3

Subject Code : 191003

RATIONALE

The students of textile design are supposed to have knowledge and skills regarding various concepts of designing for textile and the concept of color. Hence, in this subject, students will learn advance design for various fabric and quality particulars of different textile.

Theory for Practical Exercise:-

1. Introduction to basic element of drawing and design.
2. Understanding of tools and art material.
3. Understanding of construction of design by using basic elements of design i.e. dots, line, and geometrical shapes.
4. Demonstration of color theory.
5. Importance and use of different textures.

Practical Exercise:

Formation of motifs by using types of lines, vertical, horizontal, diagonal zig zag, curved spiral etc .in various style i.e. thick and thin lines and dots in following medium

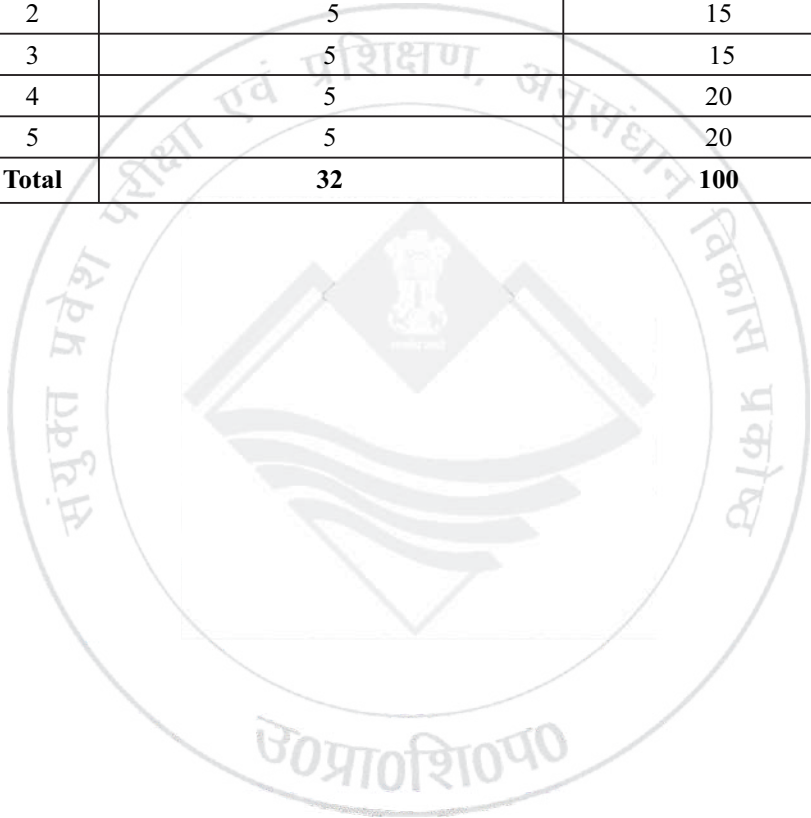
- (i) Black pencil HB, 2B, 4B, 6B.
 - (ii) Color ink (sketch pen)
 - (iii) Poster color
1. Development of motifs with the help of basic geometrical shapes circle, square, triangle, rectangle etc. Optical illusion design.
 2. Color wheel with color
 - (i) Primary color
 - (ii) Secondary color
 - (iii) Sub secondary color
 - (iv) Tertiary color
 3. Chart of VIBGYOR (Color of rainbow)
 4. Color scheme of the following:
 - (i) Achromatic colors

- (ii) Monochromatic color
- (iii) Polychromatic color

6. Texture file with 25 different Texture.

SUGGESTED DISTRIBUTION OF MARKS

Topic No.	Period Allotted (Hrs)	Marks Allotted (%)
1	7	30
2	5	15
3	5	15
4	5	20
5	5	20
Total	32	100



Subject Code : 191004**RATIONALE**

The students of textile design are supposed to have knowledge and skills regarding various textile raw materials. Hence, in this subject, students will learn raw material properties and importance for various fabric and quality particulars of different textile.

Theory

1. Introduction to world's sources of textile fibres (natural and manmade) and their utilization general classification of fibres, yarn, thread.
2. Physical and chemical identification of textile fibres and its structure.
3. Nature of cotton, wool, flex, fibres.
4. Introduction and end use of cotton, wool, silk, bast-jute, flex, fibres.
5. Structure, properties and use of lycra, vicsoce, rayon, nylon, polyester, acrylic, glass fiber.
6. Introduction to grading of cotton
7. Introduction to wool-merino, mohair, cashmere, camel. Sorting and grading of wool. introduction to wool fibre and elementary idea of different wool.
8. Introduction to natural silk, properties and use of various type of silk, silk reeling, throwing and weighting.

Practical

1. Microscopic test, burning test, chemical test(Laboratory) for analyzing of fibers.
2. Physical and chemical identification of natural fibers, cotton, wool, silk jute.
3. Physical and chemical identification of synthetic fibers nylon, acrylic, polyester.
4. Study of fibers – cross section and longitudinal structure natural and synthetic fibers

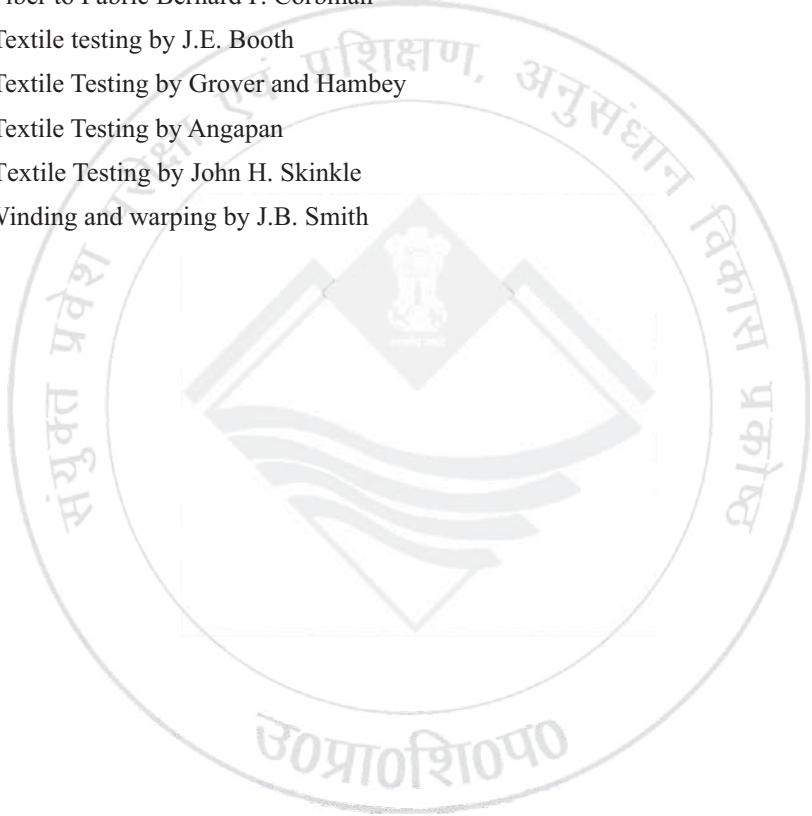
SUGGESTED DISTRIBUTION OF MARKS

Topic No.	Period Allotted (Hrs)	Marks Allotted (%)
1	6	20
2	3	10
3	3	10

4	3	10
5	6	20
6	4	10
7	4	10
8	3	10
Total	32	100

RECOMMENDED BOOKS

1. Fiber to Fabric Bernard P. Corbman
2. Textile testing by J.E. Booth
2. Textile Testing by Grover and Hambey
3. Textile Testing by Angapan
4. Textile Testing by John H. Skinkle
5. Winding and warping by J.B. Smith



L	T	P
2	-	3

Subject Code : 191005**RATIONALE**

The students of textile design are supposed to have knowledge and skills regarding various advanced weave and their construction. Hence, in this subject, students will learn advance design for various fabric and quality particulars of different textile.

Theory:-

1. Introduction of Fabric structure. Classification of fabric-woven fabric, non woven fabric, knitted fabric. Other fabric structure-braiding ,net, lace etc.
2. Parts of handloom slay, reed, heald shaft, traddle etc.
3. Introduction of loom motion, primary and secondary motion.
4. Definition of warp and weft, construction of weave on graph.Types of draft, lifting, denting order.
5. Construction of Plain weave and its derivation in the form of Mat Weave and Rib Weave.
6. Variation of Hopsack and Mat weave design with warp face, weft face and reversible effects.
7. Ornamentation of plain weave with various methods.

Practical Exercises:

Following weaves to be constructed on graph paper with respective weave analysis

1. Construction of plain weave and its variation on point paper.
2. Identification of fabric structure regarding weaving, knitting and other structure.
3. Ornamentation of Plain weave Placement stripe and check
4. Collection of various samples of plain weave.

SUGGESTED DISTRIBUTION OF MARKS

Topic No.	Period Allotted (Hrs)	Marks Allotted (%)
1	7	20
2	3	10
3	3	10
4	3	15
5	8	20
6	4	10
7	4	15
Total	32	100

L	T	P
2	-	2

Subject Code : 191006**RATIONALE**

The students of textile design must have a well developed aesthetic sense to recognize beauty in object and capability to make best use of the experience in designing and development textile object. The students are supposed to have knowledge and skills regarding various traditional fabric of India. Hence, in this subject, students will learn about the motifs and pattern of various fabric and quality particulars of different textile.

Theory :-

Study of Indian woven Introduction, Historical signification, Construction Techniques, Colors, Texture, Motifs & centers of production.

1. Jamdani
2. Gujrati patola
3. Baluchari
4. Ducca Mulmull
5. Paintani saree
6. Maheswari saree
7. Banarasi saree
8. Pochampali
9. Study of carpet and floor covering.
10. Tribal fabric

Practical :-

1. Replication of design used in Indian woven designs.
2. Assignments to student on designs.
3. Presentation of assignment

SUGGESTED DISTRIBUTION OF MARKS

Topic No.	Period Allotted (Hrs)	Marks Allotted (%)
1	4	10
2	3	10
3	3	10

4	3	10
5	3	10
6	3	10
7	3	10
8	3	10
9	4	10
10	3	10
Total	32	100



L	T	P
-	-	2

Subject Code : 101007

RATIONALE:

Basic computer education has great influence in all aspects of life. Almost all work places and living environment are being computerized. In order to prepare diploma holders to work in these environments, it is essential that they are exposed to various aspects of information technology such as understanding the concept of information technology and its scope, operating a computer, use of various tools of MS Office, using internet, etc. form the board competency profile of diploma holders. This exposure will enable the students to enter their professions with confidence, live in a harmonious way and contribute to the productivity.

DETAILED CONTENT

- 1. Computer:** Definition, Characteristics, Applications, Components of Computer System, Input/Output Devices, Concept of Memory, Magnetic and Optical Storage Devices.
- 2. Operating System-** Windows: Definition & Functions of Operating System, Basic Components of Windows, Exploring Computer, Icons, taskbar, desktop, managing files and folders, Control panel – display properties, add/remove setting date and time, screen saver and appearance
- 3. Word Processing:** Introduction to Word Processing, Menus, Creating, Editing & Formatting Document, Spell Checking, Printing, Views, Tables, Word Art, Mail Merge.
- 4. Computer Communication:** Internet and its applications, Surfing the Internet using web browsers, Creating Email Id, Viewing an E-Mail, Sending an E-Mail to a single and multiple users, Sending a file as an attachment.

Text/Reference Books

1. Computer Fundamentals By P.K. Sinha (Bpb Publications, New Delhi).
2. Computer Fundamentals By Anita Goel (Pearson Education, New Delhi)
3. Computer Fundamental 5th Edition By P.K. Sinha, Wadsworth, Inc
4. Fundamentals Of Computer By V. Rajaraman, Phi Publication.

5. Fundamental Problems In Computing 5th By D.J. Rosencrantz Springer.
6. Libre Office- The Documentation Foundation By Ron Faile, Jeremy Cartwright, Hal Parker.
7. Microsoft Office 2010 Course Pb (Hindi) Arti Rathore, Bpb Publication.A
8. Computer Fundamentals By Krishna Kumari (Book World, Dehradun).





**DETAIL SYLLABUS
SECOND SEMESTER
(TEXTILE DESIGN)**

L	T	P
4	-	2

Subject Code : 102001**RATIONALE**

Interpersonal communication is a natural and necessary part of organizational life. Yet, Communicating effectively can be challenging because of our inherent nature to assume, Overreact to and misperceive what actually is happening. Poor communication or lack of Communication is often cited as the cause of conflict and poor teamwork. In today's team oriented workplace, managing communication and developing strategies for creating shared meaning are crucial to achieve results and create successful organizations. The goal of the Communicating Skills course is to produce civic-minded, competent communicators. To that end, students must demonstrate oral as well as written communication proficiency. These include organizational and interpersonal communication, public address and performance. The objectives of this subject are understanding how communication works, gaining active listening and responding skills, understanding the importance of body language, acquiring different strategies of reading texts and increasing confidence by providing opportunities for oral and written expressions.

DETAILED CONTENTS**Section A****1. READING SKILLS****(10 Periods)**

Unseen comprehension passages (at least 3 passages).

2. Drafting:**(20 Periods)**

2.1 Writing Notice

2.2 Writing Circular

2.3 Writing a Memo

2.4 Agenda for a Meeting

2.5 Minutes of the Meeting

2.6 Press release

2.7 Telephonic Messages

2.8 Paragraph writing:

Simple and Current Topics should be covered.

3. Correspondence

(10 Periods)

3.1 Business Letters

3.2 Personal Letters

4. Communication

(12 Periods)

4.1 Media and Modes of Communication

4.2 Channels of Communication

4.3 Barriers to Communication

4.4 Listening Skills

4.5 Body language

4.6 Humour in Communication

5. Personality Development

(12 periods)

5.1 What is personality development?

5.2 How can personality be evolved?

5.3 Why is personality development important?

5.4 Types of Personality

5.5 Definition and Types of Interviews

5.6 Essentials to achieve success in job interviews

5.7 Importance of Group Discussions

LIST OF PRACTICALS

(Note: The following contents are only for practice. They should not be included in the final theory examination)

1. LISTENING COMPREHENSION

1.1 Locating Main Ideas in a Listening Excerpt

1.2 Note-taking

2. DEVELOPING ORAL COMMUNICATION SKILLS

2.1 Offering-Responding to Offers

2.2 Requesting-Responding to Requests

2.3 Congratulating

2.4 Expressing Sympathy and Condolences

- 2.5 Expressing Disappointments
- 2.6 Asking Questions-Polite Responses
- 2.7 Apologizing, Forgiving
- 2.8 Complaining
- 2.9 Persuading
- 2.10 Warning
- 2.11 Asking for and Giving Information
- 2.12 Giving Instructions
- 2.13 Getting and Giving Permission
- 2.14 Asking For and Giving Opinions
- 2.15 Group Discussion

SUGGESTED DISTRIBUTION OF MARKS

Topic No.	Period Allotted (Hrs)	Marks Allotted (%)
1	10	15
2	20	30
3	10	15
4	12	20
5	12	20
Total	64	100

RECOMMENDED BOOKS

1. Communicating Effectively in English, Book-I by Revathi Srinivas; Abhishek Publications, Chandigarh.
2. High School English Grammar and Composition by Wren & Martin; S. Chand & Company Ltd., Delhi.
3. Communication Techniques and Skills by R. K. Chadha; Dhanpat Rai Publications.

Drawing And Rendering

L	T	P
2	-	2

Subject Code : 192002

RATIONALE

The students of textile design are supposed to have knowledge and skills regarding the study of various objects of nature and surrounding. Hence, in this subject, students will learn the basics of Drawing and object and rendering for various fabric and quality particulars of different textile.

Theory for Practical Exercise:-

1. Introduction and importance of outer environment
2. Study of Trees and branches
3. Understanding of nature like butterflies.
4. Study of nature like birds, feathers.
5. Study of Animals wild and pet.
6. Understanding of buildings

Practical Exercise

1. Trees, lines drawing, flowers trees medium of water color poster color.
2. Stylization of trees in poster colours
3. Sketching and Composition of butterflies medium of water color, sketch pen and poster color.
4. Sketching and Composition of birds, feathers medium of water color, sketch pen and poster color.
5. Sketching and Composition of Animals, water color, poster color.
6. Fishes medium of water color, and poster color.
7. Sketching of buildings medium of pencil shedding.

Note :-

1. Student should be taken out for field visit , museums, exhibition, market, etc for clarifying the concepts and principle of this course as per requirement.

SUGGESTED DISTRIBUTION OF MARKS

Topic No.	Period Allotted (Hrs)	Marks Allotted (%)
1	6	20
2	5	15
3	5	15
4	5	15
5	5	15
6	6	20
Total	32	100

L	T	P
2	-	3

Subject Code : 192003

RATIONALE

The students of textile design must have a well developed aesthetic sense to recognize beauty in object and capability to make best use of the experience in designing and development textile object. The students are supposed to have knowledge and skills regarding various traditional fabric of India. Hence, in this subject, students will learn about the motifs and pattern of various fabric and quality particulars of different textile.

Theory for Practical Exercise:-

Theory for Practical Exercise:-

1. Understanding of various style of Textile design.
2. Adaptation of design according to the requirement
3. Understanding of collage work and its use in making design.
4. Placement of design and application.
5. Enlargement and reduction of design.
6. Methods of modification of colors and color terminology (i) Hue (ii) value (iii) intensity.

Practical Exercise:

1. Students will make motifs of various style of design using different color scheme (split complementary, warm and cool color).
 - (i) Natural (realistic)
 - (ii) Geometrical
 - (iii) Conventional
 - (iv) Abstract
 - (v) Traditional
 - (vi) Folk
 - (vii) Symbolic
2. Student will make various motifs of collage work on suggested theme with analogous color scheme .
 - (i) Composition of flowers using monochromatic color scheme
 - (ii) Composition of animals using achromatic color scheme
 - (iii) Composition of birds with flowers using polychromatic color scheme.
3. Placement of design using 10 methods including border, center, corner, half drop, sateen based etc using complementary color scheme.
4. Enlargement and reduction of motifs according to the requirement using analogous color scheme.
5. Modification of colors by using color mixing

SUGGESTED DISTRIBUTION OF MARKS

Topic No.	Period Allotted (Hrs)	Marks Allotted (%)
1	6	20
2	5	15
3	5	15
4	5	15
5	5	15
6	6	20
Total	32	100



Subject Code : 192004

RATIONALE

The students of textile design are supposed to have knowledge and skills regarding various textile Yarn and materials. Hence, in this subject, students will learn Yarn and material properties and importance for various fabric and quality particulars of different textile.

Theory

1. Introduction to mixing and blending techniques, common blends in textile industry.
2. Principle of blow room, carding, drawing/ginning, speed frame, ring frame, and doubling frame.
3. Types of Yarn inserting of twist, S twist and Z twist, type of package in spinning.
4. Flow chart of cotton, blended woolen and worsted system of yarn manufacture.
5. Introduction of standard commercial yarn, Hosiery yarn, core spun yarn nepping yarn, spintex.
6. Introduction to rotary spin airjet spin and friction spin yarn and their end use .

Practical

1. Demonstration of various mixing / blending techniques employed during mill visit.
2. Demonstration of different spinning process by textile mill visit.
3. Identification of yarn for S and Z twist, Hard twist and soft twist.
4. Estimation of fiber diameter and Yarn diameter by projection microscope.
5. Identification and collection of different type of yarn studied in theory.
6. Identification of different types of yarn like Rotor spin , airjet spin and friction spin .

SUGGESTED DISTRIBUTION OF MARKS

Topic No.	Period Allotted (Hrs)	Marks Allotted (%)
1	6	20
2	5	15
3	5	15
4	5	15
5	5	15
6	6	20
Total	32	100

RECOMMENDED BOOKS

1. Fiber to Fabric Bernard P. Corbman
2. Textile testing by JE Booth
2. Textile Testing by Grover and Hambey
3. Textile Testing by Angapan
4. Textile Testing by John H. Skinkle
5. Winding and warping by J.B. Smith



L	T	P
2	-	3

Subject Code : 192005

RATIONALE

The students of textile design must have a well developed aesthetic sense to recognize beauty in object and capability to make best use of the experience in designing and development textile object. The students are supposed to have knowledge and skills regarding various traditional fabric of India. Hence, in this subject, students will learn about the motifs and pattern of various fabric and quality particulars of different textile.

Theory :-

Study of Indian traditional textile. Introduction, Historical signification ,Construction Techniques, Colors, Texture, Motifs & centers of production.

Section A- Study of dyed and printed textile

1. Sanganeri
2. Bandhani
3. Bagru
4. Patola & Ikat
5. Batic
6. Kalamkari
7. Block printing

Section B:- Study of Indian traditional embroidery

1. Kashmir- Embroidery
2. Punjab- Phulkari
3. Bengal& bihar- Sujni kantha
4. Karnataka- kasuti
5. Gujrat- Katch kadhai (mirror and bead work)
6. Himachal- chamba rumal
7. UP- Chikankari
8. Orissa- Appliqué work

Practical :-

1. Replication of design of Printed and traditional Embroidery
2. Assignments to student on dyed and printed textile designs.
3. Embroidery to be executed folder related to the topics.
4. Presentation of Assignment

SUGGESTED DISTRIBUTION OF MARKS

Topic No.	Period Allotted (Hrs)	Marks Allotted (%)
1	16	50
2	16	50
Total	32	100



L	T	P
2	-	3

Subject Code : 192006

RATIONALE

The students of textile design are supposed to have knowledge and skills regarding various advanced weave and their construction. Hence, in this subject, students will learn advance design for various fabric and quality particulars of different textile.

Theory:

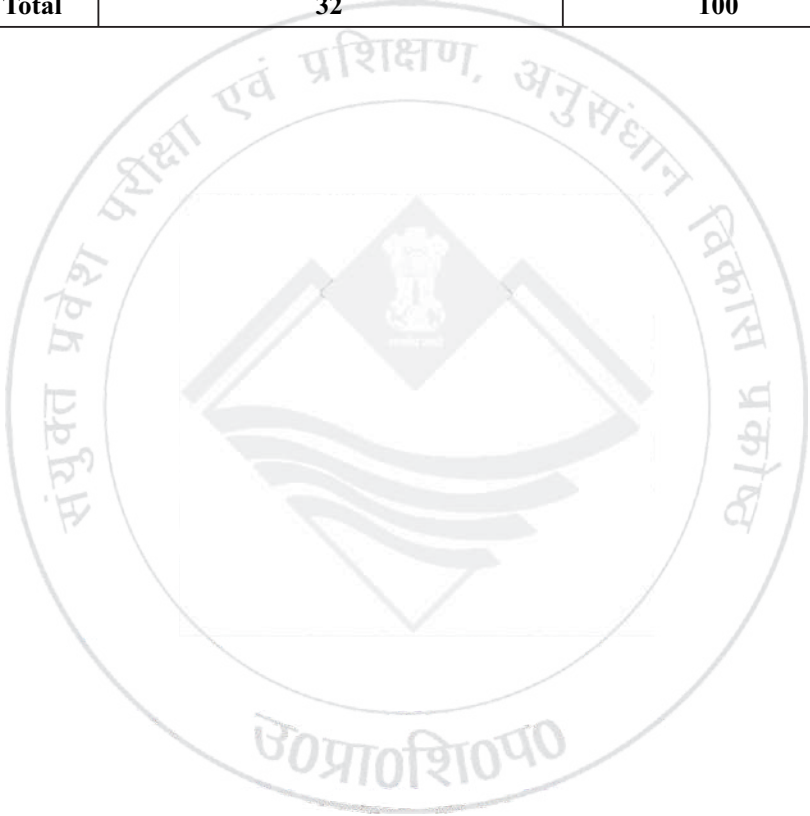
1. Introduction of Basic weaves twill and its verification:-
 - (i) Regular, irregular twill
 - (ii) Pointed twill, curved twill
 - (iii) Combined / large twill
 - (iv) Herring bone twill
 - (v) Fancy twill
2. Features of Satin and Sateen weave and its variation .
3. Diamond weave , heering bone weave and diaper design.
4. Crepe weave and their method of construction .
5. Towel weave (simple structure)
 - (i) Honey Comb simple and Brighton .
 - (ii) Haka back and sponge weave.
 - (iii) Mock leno weave and distorted thread effects.
6. Figuring with extra warp and weft yarn, one and one i.e. pick and pick wefting, two and two wefting method of disposing of extra threads on the back of the fabric .spot figuring.

Practical Exercise

1. Study of the fabrics regarding structure/ weaves, its end use and analyzing of weaves.
 - (a) Twill weave.
 - (b) Stain and sateen weave.
 - (c) Diamond weave .
 - (d) Crepe weave .
 - (e) Towel weave .
2. Weaves on graph paper with draft and peg plan .
3. Drafting and denting order of the weaves.

SUGGESTED DISTRIBUTION OF MARKS

Topic No.	Period Allotted (Hrs)	Marks Allotted (%)
1	8	20
2	4	15
3	4	15
4	4	15
5	4	15
6	8	20
Total	32	100



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Subject Code : 102007

RATIONALE

Information technology has great influence on all aspects of life. Almost all work places and living environment are being computerized. In order to prepare diploma holders to work in these environments, it is essential that they are exposed to various aspects of information technology such as understanding the concept of information technology and its scope; operating a computer; use of various tools of MS office; using internet etc. form the broad competency profile of diploma holders. This exposure will enable the students to enter their professions with confidence, live in a harmonious way and contribute to the productivity.

1. Spread Sheet: Elements of Electronics Spread Sheet, Applications, Creating and Opening of Spread Sheet, Menus, Manipulation of cells: Enter texts numbers and dates, Cell Height and Widths, Copying of cells, Mathematical, Statistical and Financial function, Drawing different types of charts. **(10 periods)**

2 Presentation Software: Creating, modifying and enhancing a presentation, Delivering a presentation, Using sound, animation and design templates in presentation. **(10 periods)**

3 ICT Fundamentals: Basics of Information Communication Technology, Computer Networks and their advantages, Types of Computer Network, Network Topologies, Basics of Transmission Media. (8 periods)

4 Internet Advanced Services: Downloading/uploading files using ftp/telnet, Chatting, Video conferencing, Online storage of data on Google and Yahoo, **(7 periods)**

PRACTICAL

Presentation Software

1. Make a presentation of College Education System using (a) Blank Presentation, (b) From Design Template, and (c) From Auto Content Wizard.
2. Make a presentation on “Wild Life”. Apply various colour schemes, and animation schemes.

Spread Sheet

1. Generation of Electricity Bill, Telephone Bill, Salary Statement of an Employee and Mark Sheet of a student etc.
2. Apply various mathematical, statistical and financial functions on any worksheet.

RECOMMENDED BOOKS

1. Microsoft Office – Complete Reference – BPB Publication
2. Learn Microsoft Office – Russell A. Stultz – BPB Publication
3. Sinha, P.K. & Sinha, Priti, Computer Fundamentals, BP





IMPLEMENTATION

**LEARNING
OUTCOMES**

ASSESSMENT

IMPACT

LEARNING OUT COMES TEXTILE DESIGN - 1ST Year

Sr.	Title of Subject/Unit	Learning Outcomes to be	Means of Assessment
1	English Communication – I *	Communicate effectively in English with others.	Assignments and Quiz/Class tests, mid-terms and end-term written tests, models/prototype making Actual laboratory and practical work , model/prototype making, assembly and disassembly exercises and viva-voce. Report writing presentation and viva-voce.
2	Drawing and study of object	Apply basic principle of design for sketching to developed motifs for various textile.	Assignments of making sketches related to nature study and different objects using various types of medium of colors. Class tests, mid-terms and end-term, models/prototype.
3	Concept of Design & Color	Apply basic principle of design for sketching to developed motifs and use of various color, lines, shape and textures .	Assignments of making sketches and designs related to Concept of design using various types of medium of colors and schemes. class tests, mid-terms and end-term.
4	Textile Raw Material	Apply basic principle and use to identified various fibers .	Assignments of collecting and study of various types of textile fibers , properties and materials Quiz/Class tests, mid-terms and end-term written tests, models/prototype making Actual laboratory and practical work , model and viva-voce. Report writing presentation and viva-voce.
5	Woven Fabric Design- I	Use appropriate procedures for developing woven textile on loom.	Assignments of collecting and study of various types of textile structure, weaves , properties and materials Class tests, mid-terms and end-term written tests, models/prototype making Actual laboratory and practical work, model/prototype making, exercises and viva-voce. Report writing presentation and viva-voce.
6	Indian Traditional Textile Design – I	Apply basic principle of design for sketching to developed motifs for various textile.	Assignments of collecting and study of various types of traditional textile fabrics pattern, color and materials Class tests, mid-terms and end-term written tests, samples and practical work, sketches , exercises and viva-voce. Report writing presentation and viva-voce.

7	Basic Computer Education – I *	Use of computer and IT tools for creating document, making designs and presentation.	Assignments and Quiz/Class tests, mid-terms and end-term written tests, models/prototype making Actual laboratory and practical work , model/prototype making, assembly and disassembly exercises and viva-voce. Software installation, Report writing presentation and viva-voce.
8	English Communication –II *	Communicate effectively in English with others	Assignments and Quiz/Class tests, mid-terms and end-term written tests, models/prototype making Actual laboratory and practical work , model/prototype making, assembly and disassembly exercises and viva-voce. Report writing presentation and viva-voce.
9	Drawing & Rendering	Apply basic principle of design for sketching to developed motifs for various textile.	Assignments of making sketches related to nature study and different objects and rendering using various types of medium of colors. Sheet work Class tests, mid-terms and end-term
10	Principle of Design	Apply basic principle of design for sketching to developed motifs use of various color for different textile.	Assignments of making sketches related to nature study and different objects and rendering using various types of medium of colors. Sheet work Class tests, mid-terms and end-term
11	Yarn Manufacturing	Apply basic principle and use to identified various yarn and its prosperity	Assignments of collecting and study of various types of textile yarns , properties and materials Quiz/Class tests, mid-terms and end-term written tests, models/prototype making Actual laboratory and practical work , model/prototype making, assembly and disassembly exercises and viva-voce. Report writing presentation and viva-voce.
12	Indian Traditional Textile Design – II	Apply basic principle of design for sketching to developed motifs for various textile.	Assignments of collecting and study of various types of traditional textile fabrics, pattern, color and materials Quiz/Class tests, mid-terms and end-term written tests, samples and practical work , sketch making, exercises and viva-voce. Report writing presentation and viva-voce.

13	Woven Fabric Design –II	Use appropriate procedures for developing woven textile on loom.	Assignments of collecting and study of various types of textile structure, simple structure weave properties and materials Quiz/Class tests, mid-terms and end-term written tests, models/prototype making Actual laboratory and practical work , exercises and viva-voce. Report writing presentation and viva-voce.
14	Basic Computer Education- II*	Use of computer and IT tools for creating document, making designs and presentation.	Assignments and Quiz/Class tests, mid-terms and end-term written tests, models/prototype making Actual laboratory and practical work , model/prototype making, assembly and disassembly exercises and viva-voce. Software installation, Report writing presentation and viva-voce.