

## 1.1 ENGLISH AND COMMUNICATION SKILLS - I

L T P  
3 - 2

### RATIONALE

Language is the most commonly used medium of self-expression in all spheres of human life – personal, social and professional. A student must have a fair knowledge of English language and skills to communicate effectively to handle the future jobs in industry. The objective of this subject is to enable the diploma holders to acquire proficiency, both in spoken (oral) and written language. At the end of the subject, the student will be able to develop comprehension skills, improve vocabulary, use proper grammar, acquire writing skills, correspond with others and enhance skills in spoken English. It is expected that each polytechnic will establish a **communication skill laboratory** for conducting practicals mentioned in the curriculum.

### DETAILED CONTENTS

#### 1. Facets of Literature (14 hrs)

##### 1.1 Short Stories

- 1.1.1 Homecoming – R.N. Tagore
- 1.1.2 The Selfish Giant - Oscar Wilde
- 1.1.3 The Diamond Necklace- Guy- De Maupassant

##### 1.2 Prose

- 1.2.1 I Have A Dream – Martin Luther King
- 1.2.2 On Habits – A. G. Gardiner
- 1.2.3 My struggle for An Education- Booker T Washington

##### 1.3 Poems

- 1.3.1 Ozymandias – P.B. Shelley
- 1.3.2 Daffodils – William Wordsworth
- 1.3.3 Stopping by Woods on a Snowy Evening – Robert Frost

#### 2. Grammar and Usage (10 hrs)

##### 2.1 Parts of speech

- 2.1.1 Nouns
- 2.1.2 Pronouns
- 2.1.3 Adjectives
- 2.1.4 Articles
- 2.1.5 Verbs
- 2.1.6 Adverbs

- 2.1.7 Prepositions
- 2.1.8 Conjunction
- 2.1.9 Interjection
- 2.1.10 Identifying parts of speech
- 2.1.11 Using a word as different parts of speech
- 2.2 Pair of words (Words commonly confused and misused)
- 2.3 Tenses
- 2.4 Correction of incorrect sentences
- 2.5 One word substitution
- 2.6. Forms of verbs (100 words)
- 3. Translation (04 hrs)
  - 3.1 Glossary of Administrative Terms (English/ Hindi/Urdu)
  - 3.2 Translation from Urdu into English
- 4. Paragraph of 100-150 words from outlines (08 hrs)
- 5. Comprehension (04 hrs)
 

Unseen passages of literature, scientific data/graph based for comprehension exercises
- 6. Communication (08 hrs)
  - 6.1 Definition, Introduction and Process of Communication
  - 6.2 Objectives of Communication
  - 6.3 Essentials of Communication

### **LIST OF PRACTICALS**

1. Locating a Book in Library
2. To look up words in a Dictionary: meaning and pronunciation of words as given in the standard dictionary using symbols of phonetics
3. To seek information from an Encyclopedia
4. Listening pre-recorded English language learning programme
5. Paper reading before an audience (reading unseen passages)
6. Study of spelling Rules
7. Study of essentials of a good speech to respond and comprehend visual, oral themes, situations or stimulus and practice before select gathering (Making an oral presentation with stress on body language and voice modulation)
8. Exercises on use of different abbreviations
9. Greetings for different occasions
10. Introducing oneself, others and leave taking
11. Exercises on writing sentences on a topic

**Note:**

1. The Text Book on “English and Communication Skills, Book-I By Kuldeep Jaidka et. al. developed by NITTTR, Chandigarh is recommended to be used for teaching and setting-up the question papers.
2. A communication laboratory may be set up consisting of appropriate audio-video system with facility of playing CDs/DVDs and a video camera for recording the performance of each student with play back facility. A set of CDs from any language training organization e.g. British Council etc. may be procured for use of students.
3. Elements of body language will be incorporated in all the practicals
4. The practical exercises involving writing may also be included in Theory Examination.

**INSTRUCTIONAL STATREGY**

Looking into the present day needs of effective communication in every field, it is imperative to develop necessary competencies in students by giving practical tips and emphasis on grammar, vocabulary and its usage in addition to practical exercises. The teacher should give report writing assignments, projects etc. while teaching this subject.

**RECOMMENDED BOOKS**

1. English and Communication Skills, Book-I By Kuldeep Jaidka, Alwinder Dhillon and Parmod Kumar Singla, Prescribed by NITTTR, Chandigarh Published By Abhishek Publication, 57-59, Sector-17, Chandigarh
2. Rich Vocabulary Made Easy by Kuldeep Jaidka , Mohindra Capital Publishers, Chandigarh
3. Spoken English (2<sup>nd</sup> Edition) by V Sasikumar & PV Dhamija; Published by Tata MC Graw Hills, New Delhi.
4. Spoken English by MC Sreevalsan; Published by M/S Vikas Publishing House Pvt. Ltd; New Delhi.
5. Spoken English –A foundation course (Part-I & Part-II) By Kamlesh Sdanand & Susheela Punitha; Published by Orient BlackSwan, Hyderabad
6. Practical Course in English Pronunciation by J Sethi, Kamlesh Sadanand & DV Jindal; Published by PHI Learning Pvt. Ltd; New Delhi.
7. A Practical Course in Spoken English by JK Gangal; Published by PHI Learning Pvt. Ltd; New Delhi.
8. English Grammar, Composition and Usage by NK Aggarwal and FT Wood; Published by Macmillan Publishers India Ltd; New Delhi.
9. Business Correspondence & Report writing (4<sup>th</sup> Edition) by RC Sharma and Krishna Mohan; Published by Tata MC Graw Hills, New Delhi.
10. Business Communication by Urmila Rani & SM Rai; Published by Himalaya Publishing House, Mumbai.
11. Business Communication Skills by Varinder Kumar, Bodh Raj & NP Manocha; Published by Kalyani Publisher, New Delhi.
12. Professional Communication by Kavita Tyagi & Padma Misra; Published by PHI Learning Pvt. Ltd; New Delhi.

13. Business Communication and Personality Development by Bsiwajit Das and Ipseeta Satpathy; Published by Excel Books, Delhi
14. Succeeding Through Communication by Subhash Jagota; Published by Excel Books, Delhi
15. Communication Skills for professionals by Nira Konar; Published by PHI Learning Pvt. Ltd; New Delhi.
16. Developing Communication Skills (2<sup>nd</sup> Edition) by Krishna Mohan & Meera Banerji; Published by Macmillan Publishers India Ltd; New Delhi.
17. Effective Technical Communication By M .Ashraf Rizwi; Published by Tata MC Graw Hills, New Delhi.
18. Basic Communication Skills for Technology by Andrea J Rutherford; Published by Pearson Education, New Delhi
19. English & Communication Skills for students of Science & Engineering by SP Dhanavel; Published by Orient BlackSwan, Hyderabad.
20. Technical Communication- Principles & Practices by Meenakshi Raman & Sangeetha Sharma; Published by Oxford University Press, New Delhi.
21. Technical English by S. Devaki Reddy & Shreesh Chaudhary; Published by Macmillan Publishers India Ltd; New Delhi.
22. Advanced Technical Communication, by Kavita Tyagi & Padma Misra; Published by PHI Learning Pvt. Ltd; New Delhi.
23. Communication Skills for Engineer & Scientist by Sangeeta Sharma & Binod Mishra; Published by PHI Learning Pvt. Ltd; New Delhi.

### SUGGESTED DISTRIBUTION OF MARKS

Topic No.	Time Allotted (Hrs)	Marks Allotted (%)
1	14	30
2	10	20
3	4	10
4	8	15
5	4	10
6	8	15
<b>Total</b>	<b>48</b>	<b>100</b>

## GLOSSARY OF ADMINISTRATIVE TERMS

1. Senior	वरिष्ठ	۱ - بڑا - اکبر
2. Cashier	खजांची	۲ - خزانچی
3. Consent	सहमती	۳ - رضامندی
4. Earned Leave	जमा छुट्टी	۴ - جمع تعطیل - جمع چھٹی
5. Under Consideration	विचार अधीन	۵ - زیر غور
6. Criterion	कसौटी	۶ - کسوٹی - معیار
7. Staff	कर्मचारी	۷ - ملازم
8. Tenure	कार्यकाल	۸ - ملازمت کی مدت
9. Working Committee	कार्य समिति	۹ - کام کرنے والی جماعت
10. Estate	सम्पदा	۱۰ - جائیداد
11. Self-Sufficient	आत्मनिर्भर	۱۱ - خود کفیل
12. Emergency	आपातकाल	۱۲ - مہنگامی صورت حال
13. General Body	आमसभा	۱۳ - جنرل اجلاس
14. Exemption	छूट	۱۴ - برعایت
15. Daily wager	दिहाड़ीदार	۱۵ - یومیہ اجرت پر کام کرنے والا مزدور
16. Death-Cum Retirement	मृत्यु और सेवानिवृत्ति	۱۶ - موت اور نوکری سے فارغ
17. Despatch Register	खानगी रजिस्टर	۱۷ - ڈاک بھیجنے کا رجسٹر
18. Despatch	खानगी	۱۸ - روانگی
19. Stenography	आशुलिपिक	۱۹ - سٹینوگرافی
20. Assurance	दिलासा	۲۰ - بھروسہ
21. Justify	सही साबित करना	۲۱ - ثابت کرنا
22. Superior	बढ़िया	۲۲ - بہتر
23. High Commision	उच्चायुक्त	۲۳ - ہائی کمیشن
24. Simultaneous	साथ-साथ	۲۴ - ایک ساتھ
25. Precautionary	सावधानी हेतु, एहतिहाति	۲۵ - احتیاطاً - حفاظتی طور پر
26. Commanding Officer	कमांडिंग अफसर	۲۶ - کمانڈنگ آفیسر - حکم دینے والا افسر
27. Negligence	लापरवाही	۲۷ - لا پرواہی
28. Performance	पूरा करना	۲۸ - کارکردگی
29. Proof Reader	प्रूफ रीडर	۲۹ - موازنہ کرنے والا پروف ریڈر
30. Take Over	काम सभालना	۳۰ - کام سنبھالنا
31. Timely Compliance	समय दौरान पूरा करना	۳۱ - بروقت عمل کرنا

32. Responsibility	जिम्मेदारी	ذمے داری - ۳۲
33. Chief Justice	मुख्य न्यायधीश	منصف اعلیٰ - ۳۳
34. Disciplinary Action	अनुशासनिक कारवाई	ضابطہ عمل - ۳۴
35. Efficiency Bar	दक्षता रोक	ذکیہ روک - ۳۵
36. Flying Squad	उड़न दस्ता	چھاپہ مار دستہ - ۳۶
37. Regret	खेद	افسوس - رنج - دکھ - ۳۷
38. Inconvenience	असुविधा	احتیاط - ۳۸
39. Ambiguous	अस्पष्ट	مہمہل - ۳۹
40. Part Time	अंशकालीन	مختصر عرصہ کے لئے - ۴۰
41. Academy	अकादमी	مدرسه - ۴۱
42. Disparity	असमानता	نا برابری - ۴۲
43. Extraordinary	असाधारण	عظیم - نایاب - مخصوص - علیحدہ - ۴۳
44. Provisional	अस्थाई	عارضی - ۴۴
45. Income Tax	आयकर	جذبیہ حقیقی - ۴۵
46. Bonafide	असली	۴۶
47. Acting in Official Capacity	बतौर अधिकारिक हैसियत	سرکاری حیثیت سے - ۴۷
48. Contractor	ठेकेदार	یکمشت اجرت سے کام کرنا - محکمہ دار - ۴۸
49. On probation	परिवीक्षाधीन	امتحان پر - پریشن پر - زیرنگہانی - ٹیسٹ کے طور پر - ۴۹
50. State	राज्य	صوبہ - راجیہ - پرانت - ۵۰
51. Administrator	प्रशासक	منصب دار - ۵۱
52. Admission	प्रवेश	داخصلہ - ۵۲
53. Aforesaid	पूर्वोक्त	متذکرہ بالا - ۵۳
54. Affidavit	शपथपत्र	حلفت نامہ - ۵۴
55. Agenda	कार्यसूची	کار و باری قہرست - ۵۵
56. Alma Mater	विद्यालय जहां किसी व्यक्ति ने शिक्षा प्राप्त की हो	درس گاہ - ۵۶
57. Appointing Authority	नियुक्ति अधिकारी, मनोनीत अधिकारी	نو کری دینے والا آفیسر - ۵۷
58. Apprentice	शिल्पकार, अप्रेंटिस	زیر تربیت - ۵۸
59. Additional	अतिरिक्त	زائد - ۵۹
60. Advertisement	विज्ञापन	اشتہاد - ۶۰
61. Assistant	सहायक	مددگار - ۶۱
62. Assumption of Charge	अधिकार ग्रहण करना	باز یافتگی یار - ۶۲
63. Attested copy	सत्यापित प्रति	تصدیق شدہ نقل - ۶۳
64. Chief Minister	मुख्यमंत्री	وزیر اعلیٰ - ۶۴
65. Clerical Error	लेखन सम्बन्धी त्रुटि	سہو غلطی - ۶۵
66. Code	कानून की किताब, गुप्त भाषा	قانونی کتاب - پوشیدہ اشارہ - ۶۶

67. Corruption	भ्रष्टाचार, खोटापन	بے ایمانی	۶۷
68. Craftsman	कारीगर	کاریگر	۶۸
69. Compensation	हरजाना, क्षतिपूर्ति	معاوضہ	۶۹
70. Compensatory Allowance	क्षतिपूरक भत्ता	نقصان کو تورا کرنا والا بھتہ	۷۰
71. Compile	संकलन करना, संग्रह करना	سنگرہ کرنا - اکٹھا کرنا	۷۱
72. Confidential Letter	गुप्त पत्र	تحفیہ خط (دستاویز)	۷۲
73. Chief Engineer	मुख्य अभियन्ता	حیث انجینیر - اعلیٰ انجینیر	۷۳
74. Data	स्वीकृत तत्व (आंकड़े)	اعداد و شمار	۷۴
75. Dearness Allowance	मंहगाई भत्ता	مہنگائی بھتہ	۷۵
76. Department	विभाग	مخکمہ	۷۶
77. Dictionary	शब्द कोष	لغات	۷۷
78. Director	निर्देशक, संचालक	ڈائریکٹر	۷۸
79. Director of Tech. Edu.	तकनीकी शिक्षा निर्देशक	ڈائریکٹر ٹیکنیکی تعلیم	۷۹
80. Executive Engineer	अधिकासी अभियन्ता	انتظامیہ انجینیر	۸۰
81. Employment Exchange	रोजगार केंद्र, व्यवसाय	روزگار دفتر	۸۱
82. Head Office	मुख्य कार्यालय	صدر دفتر	۸۲
83. Head Clerk	प्रधान लिपिक	ہیڈ کلرک - ہیڈ بابو - پردہان کلرک	۸۳
84. Indian Admn. Service	भारतीय प्रशासनिक सेवा	ہندوستان انتظامیہ سروس	۸۴
85. Legislative Assembly	विधान सभा	صوبائی کونسل	۸۵
86. Officiating	स्थानापन्न	عارضی - قائم مقام	۸۶
87. Office Record	कार्यालय रिकार्ड	دفتری ریکارڈ	۸۷
88. Office Discipline	कार्यालय अनुशासन	دفتری ضابطہ	۸۸
89. Polytechnic	बहुतकनीकी	ٹیکنیکی - دستکاری	۸۹
90. Temporary	अस्थायी	عارضی	۹۰
91. Qualified	योग्यता प्राप्त	تربیت یافتہ	۹۱
92. Under-Investigation	जांच अधीन	زیر تفتیش	۹۲
93. Sub-treasury	उप-खजाना	سب ٹریزری	۹۳
94. Target Date	लक्ष्य तिथि	مقررہ تاریخ	۹۴
95. Technical Approval	तकनीकी मान्यता	ٹیکنیکی منظوری	۹۵
96. Verification	जांच पड़ताल	تصدیق	۹۶
97. Viva-Voce	मौखिक परीक्षा	زبانی امتحان	۹۷
98. Write off	बटटेखाते डालना	وہ رقم / سامان جو وصول نہ ہو سکے - ناقابل وصول کھاتا	۹۸
99. Warning	चेतावनी	وارننگ / اطلاع - پتیا دنی	۹۹
100. Yours faithfully	भवदीय	تیس اندیش	۱۰۰

## 1.2 TEXTILE SCIENCE -I

L T P  
4 - 2

### RATIONALE

The knowledge and skills related to textile science is essential to provide a comprehensive insight into the basic knowledge about fibers, yarns and relevant properties affecting the ultimate performance and use of fabrics by the consumer, hence the subject is included in the curriculum

### DETAILED CONTENTS

#### THEORY

#### PRACTICAL EXERCISE

1. Introduction to textile fibre, yarn and fabric (20 hrs)
  - a) Classification of important textile fibres based on their origin and constituents  
Physical analysis of fabrics composed of different fibres like cotton, wool, silk, polyester.
  - b) Important properties of fibres: cotton, wool, silk, polyester.  
Visual examination of fibres and yarns
    - Physical and Chemical properties  
Identification of fibres in a fabric sample through:
      - Burning test
      - Microscopic test
      - Chemical test (Solubility Test)
    - Need and importance of identification of textile fibres
  - c) - Care of cotton, silk and wool  
Demonstration of washing of silk, wool and cotton
2. Yarn processing (20 hrs)
  - a) - Elementary knowledge of spinning of cotton, wool and silk.  
Visit to Spinning Mill or show relevant video films to understand the various systems of yarn spinning – staple, filament and spun filament yarns
  - Chemical spinning
    - i) Melt spinning
    - ii) Dry spinning
    - iii) Wet spinning



- b) Type of yarns and their properties relevant to fabric behaviour To analyze and understand fabric texture (appearance and hand) on the basis of the yarns used:
- Simple yarns: single, ply, cord
  - Novelty yarns: slub, boucle, chenille, nubs, corkscrew, grindelle
  - Fabrics using simple yarns
  - Fabrics using novelty yarns
  - Fabrics using filaments: textured, non-textured, spun filaments
3. Fabric structure and properties (24 hrs)
- a) Weaving fundamentals Prepare a catalogue of fabric samples made by using different methods of construction
- Types of looms – conventional loom, automatic and shuttless loom Visit to Mill units producing, wovens and non-wovens to understand type of looms and processes or relevant video film may be shown
  - Basic weaves – plain, twill, satin and sateen
  - Weaving defects
  - Fabric count (thread count) balance of cloth
  - To determine fabric count (thread count)
  - To identify the woven fabrics for:
    - a) Warp and weft
    - b) Face and back
    - c) Prepare a point-paper diagram of basic weaves and their variations
    - d) Prepare a list of fabrics available under each category of weave
- b) Introduction to traditional textile:
- Ikat, Patola, Brocade, Bandini & Baluchare, Kani shawls.
- c) Introduction to Non-wovens
- felting
  - Bonding

### Assignments for the Students

Prepare a catalogue of fabric samples under following heads:

- i) Fibre Composition – Names by which they are available (Trade Names)
- ii) Yarn Structure – Texture variation

Note: The teacher may develop master samples to demonstrate various processes. The students may be asked to prepare swatch files. The students should be taken for a visit to spinning mills to show the various processes or relevant video films may be screened.

### RECOMMENDED BOOKS

1. Understanding Textiles by Phyllis Tortora, Macmillan publishing co. New York
2. Modern Textiles by Rothy Siegert Lyle, Wiley, John & Sons, Incorporated (USA)
3. Encyclopedia of Textiles, Fibres and Non-woven Fabrics, Kohli Publishers, 34 Industrial Area, Phase –II, Chandigarh
4. Textiles Fiber to Fabric – P Corbman, A Wynne, Mac Milan Publishers, London
5. Fabric Science by Joseph Pizzuto, A&C Black Publishers Ltd. (New York)
6. Essentials of Textiles by Marjery Josphe; Holt, Rinehart and Winston, Inc, UBS Publishers Distributors Ltd. New Delhi
7. Textile Fibres and their Uses by KP Hes, Khanna Publishers, Delhi
8. Textiles by Hollen and Sodler, Macmillan Publishing, India
9. Textile by Grace Lovat Fraser
10. Introductory Textile Science by Marjory Joseph, CBS Publishers distributors Pvt. Ltd. Chennai
11. Principles of Textile Testing by Booth
12. Clothing, Textiles and Their Care by Dr. Rajwinder K. Randhawa, Happer and Row publishers, New York.
13. Clothing, Textiles and Laundry by Sushma Gupta, Neeru Garg and Renu Saini, Kalyani Publishers, New Delhi
14. A Text Book of Home Science by Dr. Neelam Grewal, Wiley Publishers, New York

### SUGGESTED DISTRIBUTION OF MARKS

Topic No.	Time Allotted (Hrs)	Marks Allotted (%)
1	20	32
2	20	32
3	24	36
<b>Total</b>	<b>64</b>	<b>100</b>

### 1.3 BASIC DESIGN

L T P  
2 - 4

#### RATIONALE

The knowledge and skill related to basic design is essential for the students of diploma programme of garment technology in order to develop the understanding regarding how to make a design using lines, dot, shape and colour combination

#### DETAILED CONTENTS

THEORY	PRACTICAL EXERCISE
1. Understanding the Elements of Art ( 13 hrs)	(a) Illustrate different type of lines (dotted Broken), vertical, horizontal, diagonal, zigzag, curved, thick and thin composition. (4 sheets)
a) Lines – Horizontal, vertical s, zig-zag, diagonal and curve.	
b) Colour – colour wheel, primary, secondary and tertiary, value, , tints, shades, colour schemes, analogous, mono-chromatic, compli-mentary and split complimentary	(b) Corresponding colour exercises on colour to be carried out such as colour wheel, tints, shades, colour schemes (4 sheets)
c) Textures- Different types of textures, identification and suitability of textures for different garments.	(c) Collection of samples for different textures (4 sheets)
d) Shape and Form - Geometrical - Realistic - Stylized - Abstract - Different types of Silhouettes	(d) Sketching of different shapes and forms - Different Silhouettes
2. Understanding the Principles of Design (9 hrs)	Corresponding exercises with rhythm, harmony, proportion, balance and emphasis, explaining principles of a design (5 sheets)
a) Rhythm	
b) Harmony	
c) Proportion	
d) Balance	
e) Emphasis	

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| 3. | Collage and its types – relief and flat<br>(5 hrs) | Making collage with waste material<br>Making collage with paper<br>Making collage with fabrics<br>(1 sheet each) |
| 4. | Replica and enlargement<br>(5 hrs)                 | Exercises with the help of swatches of various prints.<br>(2 sheets)   |

Note: The teacher should encourage the students to do market surveys, field visits, fairs and exhibition visits to understand the elements and principles of design.

### RECOMMENDED BOOKS

1. Fashion Drawing Designs; Magazine of Thailand, New Age Publishers, Delhi
2. Pattern Designs for Haute Couture, Volume 1, New Age Publishers, Delhi
3. Fashion Drawing – The Basic Principles by Anne Allen and Julion seaman, Haper & Row, New York
4. Latest Fashion Style by Winter Hiver, New Age Publishers, Delhi
5. Jasmine’s New Look, On Indian Fashion Scene, Haper and Row, New York
6. Lifestyles: Fashion Styles by Katheryn Samuel, McGraw Hill Book Co. New York
7. Spring and Summer Collection; Tokyo, New York
8. Singer Sewing Book
9. A Complete Guide to Sewing, Mager Publisher Pocket Books, Inc. New York
10. Reader’s Digest
11. Dress Individuality, Macmillian Publishing Co. New York

### SUGGESTED DISTRIBUTION OF MARKS

Topic No.	Time Allotted (Hrs)	Marks Allotted (%)
1	13	42
2	9	30
3	5	14
4.	5	14
<b>Total</b>	<b>32</b>	<b>100</b>

## 1.4 BASIC PATTERN MAKING AND STYLE INTERPRETATION - I

L T P  
2 - 6

### RATIONALE

The students should know various considerations in making of garments, incorporation of standard measurements, scope and importance of drafting and pattern making so that they are able to take measurements, interpret the style of any given design and make the pattern. The subject, therefore deals with basics of pattern making and styling of garments.

### DETAILED CONTENTS

#### THEORY

1. Introduction to standard measurements, standard measurement charts, methods of taking measurements (direct, indirect, landmarks) (06 hrs)  
  
Classification of measurements – circumference, horizontal and vertical measurements
2. Methods of developing pattern (04 hrs)
  - Flat pattern
  - Draping
3. Pattern making tools (04 hrs)  
  
Pins and pin holders, scissors, measuring tapes, french curves, scales, notcher, tracing wheel, pattern papers, markers etc.
4. Pattern making terms (14 hrs)  
  
Pattern drafting, flat pattern making, basic pattern set, templates, working pattern, production pattern, design specification sheet, pattern chart, cost sheet, grain, warp, weft, selvedge, bias, true bias, apex, dart, dart legs, dart intake, trueing and blending, plumb line, vertical, horizontal and perpendicular lines, symmetrical and asymmetrical lines, style no., pattern size, pivotal point, pattern manipulation
5. Introduction to style interpretation (04 hrs)  
  
Meaning of style interpretation, Method and benefits of style interpretation.

## LIST OF PRACTICALS

1.
  - Taking measurements directly from body
  - Locating land marks and taking anthropometric measurements
  - Taking measurements from the garments
  - Introduction and demonstration of:
    - a) Equipment used
    - b) Grain
    - c) Seam allowances/ease
    - d) Preparation of fabric
    - e) Landmarks on a dress form – for Draping
2. Practice on use of:
  - Squares and scales
  - French curve – for arm hole, necklines etc.
  - Practice on use of other equipment
3. Analysis of apparel designs from magazines and developing patterns for any one design.
4. Drafting of :
  - Child's panty
  - Bloomer
  - Child's bodice block and sleeve block
  - Child's skirt block
  - A line frock
  - Romper

Note: The students may be taken to the nearby manufacturing organizations to demonstrate various pattern making and style interpretation processes.

## RECOMMENDED BOOKS

1. Pattern Making for Fashion design by Helen Joseph Armstrong, Harper & Row, New York
2. Pattern Cutting and Making up by Martin Shoben, Janet Ward Publisher, London

## SUGGESTED DISTRIBUTION OF MARKS

Topic No.	Time Allotted (Hrs)	Marks Allotted (%)
1	6	18
2	4	12
3	4	12
4	14	46
5	04	12
<b>Total</b>	<b>32</b>	<b>100</b>

## 1.5 FASHION ILLUSTRATION - I

L T P  
- - 4

### RATIONALE

The skill in fashion illustration is essential for the students of garment technology so as to develop in them the creativity and ability to illustrate different types of figures and dresses in different colour media. . After going through this subject, the student of garment technology will be able to illustrate different types of figures and dresses.

### DETAILED CONTENTS

#### PRACTICAL EXERCISES

- 1 Knowledge of drawing equipment and tools
  - Paper
  - Markers and Pencils of different grades (HB,B,2B,4B,6B)
  - Drawing Board
  - Ruler
  - Tape
  - Erasers
  - Knives
  - Different media (charcoal, ink, Water Colour , water proof ink etc.)
- 2 Sketch drawing of the following:
  - Collars, sleeves, necklines
  - Pleats, ruffles, gathers, tucks
3. Anatomy Drawing
4. Colour and texture rendering:
  - Rots, Crepers, Woolen, Fur, etc.
- 5 Sketching a basic 8 –head figure of a women
6. Maintaining a scrapbook
- 7 Structures of legs,hands, foot and face shapes with hair style
- 8 Front View, Side View & Back View of Fashion Figure

## **RECOMMENDED BOOKS**

1. Fashion Drawing Designs by Magazine of Thailandi
2. Fashion Drawing – The Basic Principles by Anne Allen and Julion Seaman,
3. Fashion Illustration by Bina Abling,
4. Drawing from Anatomy by Victor Perard, Grace Parkashan , Bombay,
5. 20,000 Years Of Fashion,The History Of Costume and Personal Adornment by Francois Boucher, Harry N. Abrams, Inc Publishers,
6. Individuality in Clothing Selection and Personal Appearance by-Mary Kefgen And Phyllis Touchie-Specht, Macmillan Publishing Co., New York
7. The Complete Book Of Fashion Illustration by-Sharon Lee Tale And Mona Shafer, Happer & Row Publishers, New York.
8. Human Figures by A.K Dhawan, Tip Top Trading Co., Ludhiana.



## 1.6 GARMENT CONSTRUCTION - I

L T P  
- - 8

### RATIONALE

The diploma holders in garment technology are supposed to fabricate various components of garments such as pleats and gather, darts, tucks etc., as per measurements and go for mass production for all ages and size. Hence this subject has been included in the curriculum to develop such competencies in the students. The subject deals with basics of garment construction technology.

### DETAILED CONTENTS

#### INSTRUCTIONS FOR PRACTICALS

#### PRACTICAL EXERCISES

- |   |  |
|---|--|
| 1. Tools and equipment used in measuring, marking, cutting, sewing and finishing of garments      |  |
| 2. (a) Parts of sewing machine and its operation<br>(b) Sewing machine- its defects and remedies. |  |
| 3. Basic stitches e.g. basting, tacking, hemming, button hole.                                    | Making samples of traditional embroidery i.e. Kasida, Kutch, Kantha, Phulkari, Chikan Kari, Chamba                   |
| 4. Straight line, square, concentric square, curved, circle                                       | Machine control exercises on speed control, paper exercises, fabric exercises  |
| 5. Different types of stitches & seams  | Practice on various samples of machine seam – plain, run and fell, French, lapped seam, top seam, slot seam, beading |
| 6. Gathers, pleats and its variations   | Preparation of gathers and pleats variations.  |
| 7. Darts, tucks   | Preparation of darts and tucks samples   |
| 8. Gathers, shirring  | Preparation of samples for gathers and shirring  |

- |    |  |   |
|----|--|---|
| 9. | Finishing different necklines – bias binding, bias facing, shaped facing | Preparation of samples of different necklines using bias binding, bias facing and shaped facing |
| 10 | Attaching fasteners – hooks, snapes, loops, button, velcro               | Practice on various types of fasteners  |

### **RECOMMENDED BOOKS**

1. Clothing Construction by Doongaji, Raj Parkashan, New Delhi
2. System of Cutting by Zarakar, Navneet Publications (India) Ltd.
3. Basic Processes and Clothing Construction by Sherie Doongaji and Raushini Despande. McGraw Hill Book Co. Inc. New York
4. Simplicity Revised ABC of Short-Cut Sewing, UBS Publishers & Distributors Pvt. Ltd. New Delhi.
5. Stitch by Stitch by Tarstar Books, UBS Publishers Distributors Ltd. New Delhi
6. Complete Guide to sewing by Reader's Digest, Pitman Publishing Corporation, New York.