

HS-109-BASIC SKETCHING AND GARMENT CONSTRUCTION LAB

Course Title	Basic Sketching and Garment Construction Lab	Course Code	HS-109
Year	I Year	Course Group	Core
Teaching Scheme in Hrs (L:T:P)	1:0:2	Credits	2
Methodology	Lecture+ Practicals	Total Contact Periods	90
CIE	60 Marks	SEE	40 Marks

Pre-requisites

Basic knowledge of drawing and sketching, familiarity with sewing tools and fabrics, understanding of basic stitches, measurements and garment parts, and ability to handle sewing equipment safely.

Course Outcomes

Upon completion of the course the student shall be able to

COURSE OUTCOME	
CO1	Basics Of Sketching, Drawing & Painting.
CO2	Principles, techniques and materials used for drawing & paintings, Preparation Of Samples of Basic Stitches, Neckline Finishes, Samples in Fullness in Garments, Plackets, Openings and Fasteners
CO3	Applied arts & Geometrical designs
CO4	Explain about selection, care, the causes and remedies for the common faults and the basic body measurements, preparation of samples of Basic Stitches.
CO5	Demonstrate Stitch Plackets-Openings and Fasteners, Yokes and Sleeves in Garments, Openings and Fasteners Seam Finishes, Neckline Finishes, Samples in Fullness in Garments, Pockets, Yokes and Sleeves
CO6	Drafting, pattern marking & Stitching of jangia, Jabla, Princess Petticoat, school Uniform, Plain Frocks, Yoke Frocks/frills frocks and Low Waist Frocks/long frocks/umbrella frock.

COURSE CONTENT

UNIT: 1: Basics of Sketching

Periods: 6

Meaning of sketching, use of sketching tools, use of pencils, brushes and pens, roto ring technique, crackle and brush dots technique, brush and ink technique, dry brush tones, smudging, hatching, shading and detail work, drawing of human figures of different ages, drawing of facial expressions, drawing and shading of lips, eyes, nose, ears, legs,

hands, flowers, birds and animals.

UNIT: 2: Principles, Techniques and Materials of Drawing and Painting

Periods: 9

Elements and principles of design, principles of drawing, techniques of drawing, materials used for drawing, drawing from nature, object drawing, principles and techniques of painting, materials used for painting, colour theory, poster painting, fabric painting, oil painting and colour mixing.

UNIT: 3: Applied Arts and Geometrical Designing

Periods: 7

Materials used for applied arts, calligraphy and lettering styles, geometrical designing, use of compass for geometrical shapes, creative designs, enlarging and reducing designs, still life drawing and perspective drawing.

UNIT: 4: Sewing Machine, Body Measurements and Basic Stitches.

Periods: 8

Selection and care of sewing machine, parts of sewing machine, common faults, causes and remedies, body measurements, preparation of samples of basic stitches, preparation of seams.

UNIT: 5: Seam Finishes, Neckline Finishes, Pockets, Yokes and Sleeves.

Periods: 9

Preparation of seam finishes, neckline finishes, darts, tucks, pleats, gathers and ruffles, preparation of pockets, yokes and sleeves, preparation of collars, openings and fasteners.

UNIT: 6: Drafting and Stitching of Garments

Periods: 6

Drafting and stitching of jangia and jabla, drafting and stitching of princess petticoat, drafting and stitching of school uniform, drafting and stitching of plain frocks and yoke frocks, drafting and stitching of low waist frocks and long frocks.

Reference books

1. K.R. Zarapkar, *Zarapkar System of Cutting*, GALA Publishers, Bombay, Ahmedabad, Nagpur, Pune, and Madras.
2. Sheri Dongaji, *Basic Process and Clothing Construction*, New Raj Book Depot, Publishers and Book Sellers, Bengal Mal Markets, New Delhi.
3. Mary Mathews, *Clothing Construction – Part I & II: Basic Sewing Processes*, Fourth Printing, Year – 1989.
4. *Introduction to Clothing Manufacture*, Blackwell Science Series.
5. Peter Morgan, *Designing and Pattern Cutting for Children Clothing*, B.T. Batsford Ltd., London, Year – 1973.
6. Kettunen Minn, *Fundamentals of Dress*, McGraw-Hill Book Company, Year – 1941.

Suggested learning Outcomes

After completion of this course, the student should be able to:

CO 1: Mastery of Sketching and Artistic Techniques

- 1.1 Demonstrate proficiency in sketching techniques including shading, smudging and detailing using various drawing tools and rendering techniques.
- 1.2 Draw human figures of different age groups with correct proportions.
- 1.3 Express different human emotions through detailed facial studies.

CO 2: Application of Design and Color Principles

- 2.1 Apply elements and principles of design in creative artworks and paintings.
- 2.2 Use colour theory and colour schemes effectively in compositions.
- 2.3 Demonstrate painting techniques using poster colours, fabric paints and oil paints.

CO 3: Technical Drafting and Still Life Study

- 3.1 Perform applied arts activities including calligraphy and geometrical designing.
- 3.2 Represent objects accurately through still life and perspective drawing.
- 3.3 Demonstrate enlargement and reduction of geometrical designs.

CO 4: Sewing Machine Operation and Maintenance

- 4.1 Identify different parts of a sewing machine and perform routine maintenance.
- 4.2 Diagnose common sewing machine faults and apply remedies.
- 4.3 Operate sewing machines safely and efficiently.

CO 5: Execution of Basic Stitches and Seams

- 5.1 Prepare samples of basic stitches used in garment construction.
- 5.2 Construct different types of seams suitable for various fabrics.
- 5.3 Apply seam finishes for garment durability and neat appearance.

CO 6: Construction of Garment Components and Full Garments

- 6.1 Design and stitch neckline finishes and fullness techniques.
- 6.2 Prepare samples of pockets, yokes, sleeves and collars.
- 6.3 Draft, pattern make, cut and stitch garments such as jablas, princess petticoats, school uniforms and frocks.

CO-PO mapping Matrix

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Mapped POs
CO1	y	y			y						PO1,PO2,PO5
CO2		y									PO2
CO3		y			y					y	PO2, PO5, PO10
CO4		y									PO2
CO5		y			y					y	PO2, PO5, PO10
CO6		y									PO2

STATE BOARD OF TECHNICAL EDUCATION & TRAINING: TELANGANA DIPLOMA EXAMINATIONS (C-26)

MID -I EXAMINATION

HS-109- BASIC SKETCHING AND GARMENT CONSTRUCTION LAB

Model Question Paper

Duration: 1 Hour

Max. Marks: 20

Note: *Answer Any one question.*

UNIT – I: Basics of Sketching

1. Perform smudging and shading techniques using different pencil grades.
2. Draw human figures of different age groups.
3. Sketch facial expressions such as happy, angry and shocked.
4. Draw and shade eyes, nose, lips and ears.
5. Demonstrate Roto ring and crackle techniques.
6. Prepare sketches using brush dots and dry brush techniques.
7. Draw flowers, birds and animals with shading effects.
8. Demonstrate detail work in sketching.

UNIT – II: Principles, Techniques and Materials of Drawing & Painting

1. Prepare a design using elements and principles of design.
2. Demonstrate tonal and hatching techniques.
3. Draw household objects using object drawing techniques.
4. Prepare nature drawings of leaves, flowers and trees.
5. Demonstrate poster painting using colour schemes.
6. Prepare a fabric painting sample.
7. Demonstrate colour mixing using oil paints.
8. Prepare a colour wheel using poster colours.

STATE BOARD OF TECHNICAL EDUCATION & TRAINING: TELANGANA
DIPLOMA EXAMINATIONS (C-26)

MID -II EXAMINATION

HS-109- BASIC SKETCHING AND GARMENT CONSTRUCTION LAB

Model Question Paper

Duration: 1 Hour

Max. Marks: 20

Note: *Answer Any one question.*

UNIT – III: Applied Arts and Geometrical Designing

1. Demonstrate Roman calligraphy and 3D lettering.
2. Prepare geometrical designs using compass and scale.
3. Create creative geometrical designs without instruments.
4. Demonstrate enlarging and reducing designs.
5. Draw symmetrical still life objects.
6. Draw asymmetrical still life objects.
7. Demonstrate perspective drawing techniques.
8. Prepare decorative lettering using grid method.

UNIT – IV: Sewing Machine, Body Measurements and Basic Stitches

1. Identify and demonstrate parts of a sewing machine.
2. Demonstrate threading and operation of sewing machine.
3. Perform routine care and maintenance of sewing machine.
4. Take and record body measurements.
5. Prepare samples of even and uneven basting stitches.
6. Prepare samples of running and hemming stitches.
7. Demonstrate overcasting and back stitches.
8. Prepare samples of plain seam, French seam and lapped seam.

DIPLOMA EXAMINATIONS (C-26)
END EXAMINATION
HS-109- BASIC SKETCHING AND GARMENT CONSTRUCTION LAB
Model Question Paper

Duration: 2 Hour

Max. Marks: 40

Note: Answer Any one question.

UNIT – I: Basics of Sketching

1. Perform smudging and shading techniques using different pencil grades.
2. Draw human figures of different age groups.
3. Sketch facial expressions such as happy, angry and shocked.
4. Draw and shade eyes, nose, lips and ears.
5. Demonstrate Roto ring and crackle techniques.
6. Prepare sketches using brush dots and dry brush techniques.
7. Draw flowers, birds and animals with shading effects.
8. Demonstrate detail work in sketching.

UNIT – II: Principles, Techniques and Materials of Drawing & Painting

9. Prepare a design using elements and principles of design.
10. Demonstrate tonal and hatching techniques.
11. Draw household objects using object drawing techniques.
12. Prepare nature drawings of leaves, flowers and trees.
13. Demonstrate poster painting using colour schemes.
14. Prepare a fabric painting sample.
15. Demonstrate colour mixing using oil paints.
16. Prepare a colour wheel using poster colours.

UNIT – III: Applied Arts and Geometrical Designing

17. Demonstrate Roman calligraphy and 3D lettering.
18. Prepare geometrical designs using compass and scale.
19. Create creative geometrical designs without instruments.
20. Demonstrate enlarging and reducing designs.
21. Draw symmetrical still life objects.
22. Draw asymmetrical still life objects.
23. Demonstrate perspective drawing techniques.
24. Prepare decorative lettering using grid method.

UNIT – IV: Sewing Machine, Body Measurements and Basic Stitches

25. Identify and demonstrate parts of a sewing machine.
26. Demonstrate threading and operation of sewing machine.
27. Perform routine care and maintenance of sewing machine.
28. Take and record body measurements.
29. Prepare samples of even and uneven basting stitches.
30. Prepare samples of running and hemming stitches.
31. Demonstrate overcasting and back stitches.
32. Prepare samples of plain seam, French seam and lapped seam.

UNIT – V: Seam Finishes, Neckline Finishes, Pockets, Yokes and Sleeves

33. Prepare samples of seam finishes.
34. Prepare neckline finishes using facing and piping.
35. Demonstrate preparation of darts and tucks.
36. Prepare samples of pleats and gathers.
37. Stitch patch pocket and flap pocket samples.
38. Prepare round yoke and square yoke samples.
39. Stitch plain sleeve and puff sleeve samples.
40. Prepare collars, openings and fasteners samples.

UNIT – VI: Drafting and Stitching of Garments

41. Draft and stitch a jangia.
42. Draft and stitch a jabla.
43. Draft and stitch a princess petticoat.
44. Draft and stitch a school uniform.
45. Draft and stitch a plain frock.
46. Draft and stitch a yoke frock.
47. Draft and stitch a low waist frock.
48. Draft and stitch a long frock.
49. Prepare paper patterns for garments.
50. Demonstrate cutting and stitching techniques for garment construction.