DFAFT STUDY MATERIAL



Hand Embroiderer (Addawala)

Ref.

(Grade X) (Qualification Pack: Ref. Id. AMH/Q1010) Sector: Apparel, Made-ups & Home Furnishing



PSS CENTRAL INSTITUTE OF VOCATIONAL EDUCATION

(A constituent unit of NCERT, under MOE, Government of India) Shyamla Hills, Bhopal- 462 002, M.P., India http://www.psscive.ac.in

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Preface

Vocational Education is a dynamic and evolving field, and ensuring that every student has access to quality learning materials is of paramount importance. The journey of the PSS Central Institute of Vocational Education (PSSCIVE) toward producing comprehensive and inclusive study material is rigorous and time-consuming, requiring thorough research, expert consultation, and publication by the National Council of Educational Research and Training (NCERT). However, the absence of finalized study material should not impede the educational progress of our students. In response to this necessity, we present the draft study material, a provisional yet comprehensive guide, designed to bridge the gap between teaching and learning, until the official version of the study material is made available by the NCERT. The draft study material provides a structured and accessible set of materials for teachers and students to utilize in the interim period. The content is aligned with the prescribed curriculum to ensure that students remain on track with their learning objectives.

The contents of the modules are curated to provide continuity in education and maintain the momentum of teaching-learning in vocational education. It encompasses essential concepts and skills aligned with the curriculum and educational standards. We extend our gratitude to the academicians, vocational educators, subject matter experts, industry experts, academic consultants, and all other people who contributed their expertise and insights to the creation of the draft study material.

Teachers are encouraged to use the draft modules of the study material as a guide and supplement their teaching with additional resources and activities that cater to their students' unique learning styles and needs. Collaboration and feedback are vital; therefore, we welcome suggestions for improvement, especially by the teachers, in improving upon the content of the study material.

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20 June 2024

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Module 1

Elements and Principles of Design

Module Overview

A design is an arrangement of lines, shapes, colours and texture that creates an attractive visual image. The basic components required to prepare a design on paper, such as line, shape, colour, form and texture are called the elements of design. The ways in which the elements or the combination of elements of design are used to prepare a pleasing design are known as the principles of design. These include balance, proportion, emphasis, rhythm and harmony. Both the elements as well as the principles of design are flexible and can be used to create attractive designs based on the latest fashion. Elements of design are parts of design which are used to create fascinating garments by designers. The role of principles of design is to guide the designer about how the elements should be combined.

The elements of design provide a baseline for designing beautiful garments. They must be incorporated in a pleasing combination to lend an appealing look to the garment. Garment designing involves three main aspects—structure, function and embellishment. A garment should be balanced, suitable and workable as per the need and preference of the wearer, that is the customer, and embellished as per the current fashion demands. Hence, a careful and wise utilisation of the elements of design can help achieve the desired effect.

Although each element and principle has been dealt with separately here, they all work together to create the final effect. The success of the garment relies on the combination of all of the parts of the design.

This unit explains the use of elements and principles of design in garments, with detailed guidelines on drawing and implementing them practically.

Learning Outcomes

After completing this module, you will be able to:

- Demonstrate elements of design and principles of design
- Demonstrate different type of colours, colour wheel, and apply colour schemes

Module Structure

Session 1: Elements of Design

Session 2: Principles of Design

Session 1: Elements of Design

The elements of design provide a foundation for designing beautiful garments by combining different components in the most aesthetic and costeffective way. Awareness and knowledge of elements of design is the first step in creating beautiful textile or garment designs. A detailed understanding of how they work in a combination enables a designer to create varied visual effects and lend an appealing look to the garments. The elements of design are as follows.

- I. Line
- II. Shape
- III. Form
- IV. Colour
- V. Texture

LINE

ents. It e di A line is the simplest of all design elements. It is a series of connected points. In garment design, a line refers to the direction of visual interest and the style lines divide the space in the garment. Lines have the following properties.

- 1. Lines are directional: Lines create movement for the eye and direct it to move either sideways or up and down.
- 2. Lines divide: Lines can divide large garment areas into smaller garment areas and connect different shapes in a garment.
- 3. Lines communicate psychological effect: Lines express different emotional effects as per their placement, like thick lines convey strength, zigzag lines are disturbing and uneven lines depict uncertainty.

Lines create optical illusions: Lines cause visual distortions which affect the way a garment appears when being worn. For e.g The use of vertical lines in a garment can make a short person appear taller. Depending on the skill of the designer, these effects may conceal figure problems or exaggerate them, like vertical lines create an illusion of length and slenderness and horizontal lines add width.

The distance between the lines, placement and their thickness also creates various visual effects. These lines can be obtained in garments through prints, like stripes—thin or thick, vertical or horizontal; construction lines, like seams, pleats, gathers, tucks, top stitches or even in decoration, like

painting or embroidery in linear form and so on. In this way, the garment space is divided and visual illusions can be created by making the eye follow these lines. Thick lines convey strength and alertness while thin lines depict weakness and delicacy. An uneven line conveys uncertainty and straight line implies firmness. The type of line used by the designer should suit the wearer and be consistent with other aspects in the garment.



Fig. 1.1 Classification of straight lines

STRAIGHT LINES

i) Vertical lines

These lines stand straight, upright and suggest stability. The eye moves up and down or top to bottom when looking at vertical lines. These lines create an illusion of height. Therefore, the use of vertical lines in garments makes the wearer appear thinner and slender. Such lines work very well for short and fuller figures and make them appear slender and tall.

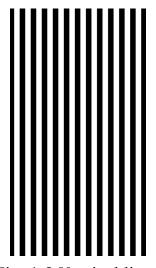


Fig. 1.2 Vertical lines



Fig. 1.3 (a, b) Vertical lines in garments

ii) Horizontal lines

These lines lead the eye from one side to another (left to right and right to left), adding apparent width, and shortening the body. Use of horizontal stripes, borders, off-shoulders, boat neckline, yokes, wide collars and large pockets all move the eye sideways across the area of the garment. Garments in which horizontal lines dominate tend to be quiet, relaxed and restful in mood.



Fig. 1.5 (a, b) Horizontal lines in garments

iii) Diagonal lines

These lines fall between vertical and horizontal lines. The angle, placement and length of the diagonal lines on the garment will decide the illusion created by them. These lines help a lot in hiding the problem areas and instead highlight the good points with careful usage in garment design. The degree of slant determines their visual

effect in clothes. A vertical slant adds height while a horizontal slant adds width. A figure seems tall and tends to create a more slender effect if combination of diagonal and vertical lines is used. These lines are generally used in panels, seams, darts, 'V' necklines, collars & lapels, flared trousers, 'A' line skirts, bias cut stripes and raglan sleeves, etc.

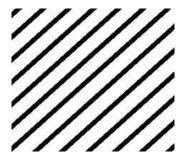


Fig. 1.6 Diagonal lines

Variations of straight lines: Some other variations of straight lines are as follows.

- (i) **Zigzag lines:** These are connected diagonal lines which can be mostly seen in fabric designing. They tend to increase the apparent size of the area covered by them.
- (ii) Broken lines: These lines are more interesting than regular continuous lines because they break the monotony in the design making the outfit more attractive.



Fig. 1.7 Zigzag lines

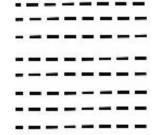


Fig. 1.8 Broken lines

CURVED LINES

These lines have a unique quality of creating grace and gentleness. The use of circles and curves helps create the appearance of a larger space than there actually is. Curved lines increase the size and shape of the figure, adding interest to a design. These lines give a soft, gentle, youthful and flowing effect. These lines can be used in princess lines, necklines, garment edges, etc., Curved lines can be used as full circle or may even appear almost straight. These are considered elegant; those in a diagonal direction are the most graceful and can be seen in the soft folds of material in a draped dress or a ruffled collar.

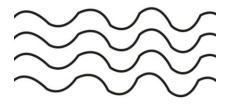


Fig. 1.9 Curved lines

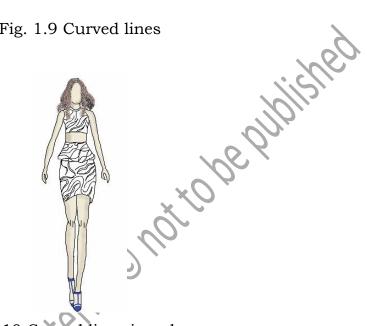


Fig. 1.10 Curved lines in a dress

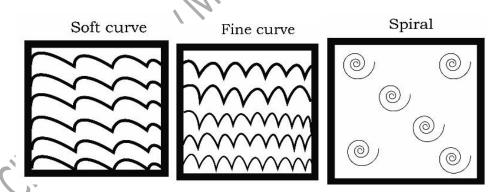


Fig. 1.11 (a, b, c) Variations of curved lines

SHAPE

It is the outer edge of an enclosed area. Space is the area within a shape. In clothing, it is defined as a flat, two-dimensional area enclosed by a line. When both ends of a line meet to surround space, the line forms a shape. The word 'shape' usually suggests geometric shapes which can be of two types—those with equal sides (regular) and shapes with unequal sides (irregular). The regular shapes include flat ones with equal sides—square, circle, pentagon, hexagon, and the octagon. The irregular ones include oval, rectangle, diamond, etc.

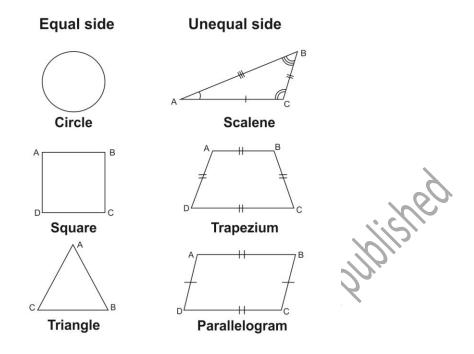


Fig. 1.12 Various types of shapes

Shapes are also used to describe silhouettes like trapeze, triangle, rectangle, balloon, bell, A-line, etc.

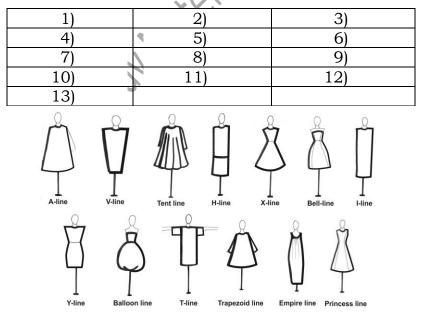


Fig. 1.13 Various types of silhouette of garment

Form

It is very similar to shape but form is three-dimensional whereas shape is two-dimensional. All forms are three-dimensional and are generally created by combining two or more shapes. The three dimensions of a form are: height, width, and depth. Forms can be geometric or organic. Sphere, cube, cylinder, cone, pyramid, bell, dome, barrel, box, etc., are examples of geometric forms. Leaves, flowers, clouds are examples of organic forms. Organic forms tend to have curves. Garment on body depicts various types of forms depending upon the silhouette and design of the garment.

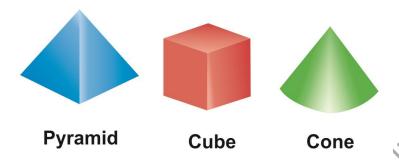


Fig. 1.14 Various types of forms

COLOUR

It is a sensation aroused when waves of light stimulate the eye. Hence, light is the source of colour. It is the first element in a garment that attracts our attention. It is important for a selected colour to not only please the wearer but also suit their figure, and complexion. The colour chosen should be appropriate for the season as well as the occasion it is to be worn for.

Colours may be primary, secondary or tertiary. Primary colours are at equal distance in the colour wheel. They are known as "primary" because they cannot be created by any colour combination. Red, yellow and blue are called primary colours. Secondary colours are prepared by mixing two primary colours in equal proportions, like orange (red+yellow), green (blue+yellow) and violet (red+blue). Tertiary or intermediary colours are formed by mixing one primary and one secondary colour in equal proportion. For example, yellow-orange, red-orange, etc.

Dimensions of Colour: There are three dimensions of colour.

1. **Hue**

It is the original colour or the name of the colour like red, blue, yellow, etc. We perceive a particular colour when light falls on an object and is reflected. The eye reflects a particular colour and absorbs other colours of the rainbow. A leaf appears green because your eye reflects green colour and absorbs all other colours (red, orange, yellow, blue, violet, indigo) when light falls on it.

2. Value

It is the lightness and darkness of a colour. If we mix white in a particular colour, tints are formed and when we mix black in that colour, its shades are prepared. A higher value is achieved by adding white which is pure white and a lower value is produced by adding black which relates to the absence of light.

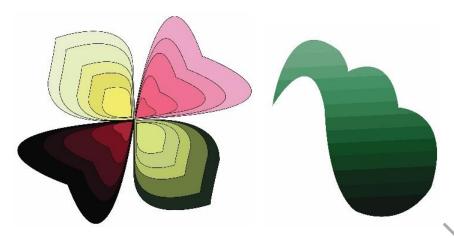


Fig. 1.15 Value (tints and shades)

3. Intensity

It is the strength of a colour. It is the brightness and dullness of a colour. Original colours have high and full intensity but when grey or any other colour is mixed in it, its strength or intensity reduces. A colour is brightest in its original form but when it is mixed with other colours, it becomes dull.

COLOUR WHEEL



Fig. 1.16 Colour wheel

Colour wheels are based on three primary colours, which cannot be produced (red, yellow and blue), three secondary colours (orange, violet and green) which are produced by mixing two primary colours, and six tertiary colours or intermediates formed by mixing a primary with a secondary, for overall 12 main divisions.

(i) **Primary Colours**: Red, yellow and blue are primary colours; primary colours cannot be created by any combination of other colours. All other colours are derived from these three colours.

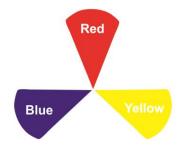


Fig. 1.17 Primary colours

Secondary Colours: Green (yellow+blue), orange (red+yellow) and violet (red+blue) are secondary colours. These colours are made by mixing two primary colours in equal proportions.

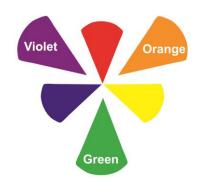


Fig. 1.18 Secondary colours



Fig. 1.17 Primary colours

(iii) **Tertiary Colours:** Red-orange, yellow-orange, blue-green, yellow-green, red-violet & blue-violet, are tertiary colours. These are the colours formed by mixing a primary and an adjacent secondary colour on the colour wheel in equal proportions.

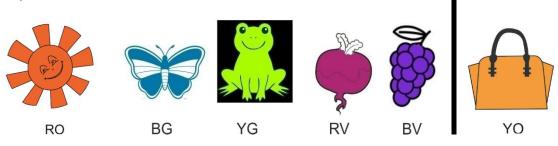


Fig. 1.19 Tertiary colours

COLOUR SCHEMES

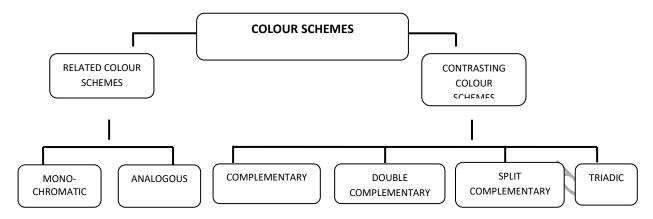


Fig. 1.20 Types of Colour schemes

It is important that colours be combined in the right proportion, or else, they clash and give an awkward appearance. Colour schemes are the ways in which colours can be used together in a pleasing and harmonious manner. An understanding of various colour schemes helps us to achieve varying results by using different combinations of colours. The basic colour schemes are as follows.

1. Related Colour Schemes

Such colour schemes have only one dominating hue in common. They are as follows.

(i) Monochromatic colour scheme

It is a one-colour plan that uses different tints and shades of the same colour. Neutrals such as black and white can be added to a monochromatic scheme for creating interest.



Fig. 1.21 Monochromatic colour scheme

(ii) Analogous colour scheme

Such a colour scheme uses neighbouring, or adjacent, colours on the wheel. It is categorised under related colour scheme since two or three 'related' colours are used. The combination of yellow, yellow-green and green is an analogous scheme with three colours. In nature, red-orange, orange and red colours during autumn season are example of an analogous colour scheme.

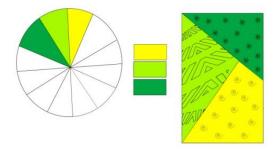


Fig. 1.22 Analogous colour scheme



Fig.1.23 Analogous colour scheme in a garment

2. Contrasting Colour Schemes

One of the most important steps in designing is to choose the correct colour combination. In a contrasting colour scheme, colours that sit opposite to each other on the colour wheel are chosen. Contrasting colour schemes have no hue in common.

(i) Complementary Colour Scheme

This scheme uses colours that are just opposite to each other on the colour wheel (complements). Complementary colours are across from each other on the wheel. They have great contrast. In fact, the colours look even brighter when they are used side by side. Examples are blue and orange, violet and yellow, and red and green. Care should be taken to not use both the colours in equal proportion as it can look

unpleasant. One of the colours should be used in a lesser proportion as compared to the other to give a pleasing look.

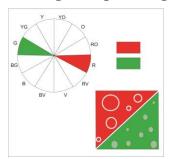


Fig. 1.24 Complementary colour scheme



Fig. 1.25 Complementary colour scheme in garment

(ii) Double complementary

Two adjacent colours and two colours exactly opposite to them on the colour wheel are considered to be double complementary colours. For example, yellow, yellow orange, violet and blue-violet.

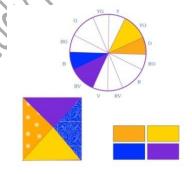


Fig. 1.26 Double complementary colour scheme



Fig. 1.27 Double complementary colour scheme in a garment

(iii) Split-complementary colour scheme

Such a colour scheme uses three colours. It combines one colour with the two colours on the sides of its complementary colour. First choose a colour and find its complement on the colour wheel and then take colours on either side of the complement. For example, blue might be used with yellow-orange and red-orange. This is also a bright colour scheme and so it should be used with care in the apparels and other products.

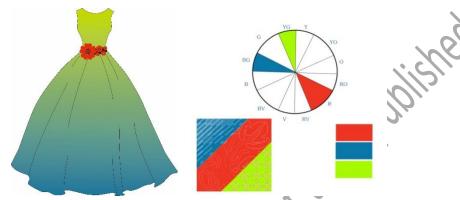


Fig. 1.28 Split complementary colour scheme

(iv) Triad colour scheme

It combines three colours which are equidistant on the wheel. For example red, yellow, and blue, or violet, green, and orange.

These colours are contrast to each other so they have to be balanced in their application. One colour can dominate to the other two colours by reducing their intensity.

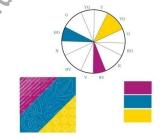


Fig. 1.29 Triad colour scheme

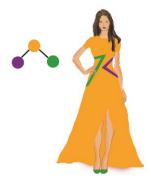


Fig.1.30 Triad colour scheme on a garment

Colour Expression

Colour can be used to express various moods, personality features, and help the wearer accentuate/enhance their appearance and achieve the desired aesthetic effect.

For example: yellow colour could be perceived as a bright, optimistic colour to one person while it may appear as loud to another. Thus, each colour evokes a different response.

Warm and cool colours

The colour wheel can be divided into warm and cool sides. Red, orange and yellow are warm colours because they are connected with warm sensations. Orange is the warmest colour. Warm colours give a feeling of gaiety, activity, cheerfulness and lively mood. They appear advancing, and make the body look larger.

Contrarily, cool colours convey a feeling of quietness and restfulness, but if overdone, they can be depressing. Cool colours suggest a subdued mood. Green, blue, and violet are cool colours. Blue is the coolest colour. Cool-coloured objects appear to recede or go away from the observer. Cool colours make the body look smaller. Designers often use these colours for garments in large sizes to make the wearer appear smaller.

Texture

In fashion and textile designing, texture refers to the nature of the surface of fabrics and trimmings used in garments. The term 'texture' is used to describe the surface appearance and feel of any fabric when you touch or look at it. You may perceive a fabric to be heavy, fine, crisp, smooth, shiny, hard or soft on touching it.

The texture of the fabric and the styling of the garment should be compatible. For example, if we want a formal corporate look, it is best to use bulky fabrics with a matte finish. However, for a casual look, light and soft materials such as cotton and chiffon should be used.

Texture is considered a design element because all fabrics have a surface texture which plays a major role in garment design and even in embroidery. Embroidery also helps in changing the texture of a fabric.

The texture of a fabric mainly depends on the following four factors.

(i) **Fibres:** It refers to the raw materials that are spun into yarns and woven or knit into the cloth. Fabric textures are the result of the inherent characteristics of the raw materials.

- (ii) Yarn: Yarn is a long continuous strand of interlocked fibres and is used for sewing, knitting, weaving, embroidery etc.
- **(iv) Fabric:** Fabric is mainly constructed by different techniques like weaving, knitting, felting etc. Weaving and knitting are the techniques where yarns are interlaced and interloped respectively whereas in felting, the fabric is constructed directly from fibres with the help of heat, pressure and moisture. The texture of the fabric is varied as a result of the different construction techniques even with the use of similar yarns. These methods change the feel and look of the fabric.

Textile Finishes: Textile finishes refers to the process applied on the yarn or fabric to enhance their look, durability, feel, etc. Finish can be permanent or temporary. If we talk about textile finish in relation to the texture then embossing is the best example. In this kind of finish the design patterns are created on the surface of fabric mainly through the application of heat and pressure.



Fig. 1.31 Texture created through embroidery

Attributes of texture

- (i) Visual: Visual texture is the visual quality or appearance of a fabric or garment. Visual textures may be created through surface treatments like printing, embroidery, smocking, quilting and appliqué.
- (ii) **Tactile:**. Tactile texture is the tactile quality (designed to be perceived by touch) of a fabric. It can be rough, smooth, fuzzy, soft or slick (smooth and glossy). A tactile texture can be felt with the hand. For example, silk has a smooth texture and khadi has a coarse texture.
- (iii) Audible: The friction created by fabric surfaces rubbing over each other can be heard. The crisp rustle of silk is known as 'scroop'.

Activities

ACTIVITY 1: Prepare a collage of pictures of garments depicting different types of lines, label it and draw a dress using these lines in the sheet.

Materials Required

- 1. A-3 Sheet
- 2. Colourful pens/ sketch pens
- 3. Ruler
- 4. Pencil
- 5. Eraser

Procedure

- 1. Collect pictures of garments depicting the use of different types of lines.
- 2. Paste the pictures and prepare a collage.
- 3. Label each type of line and write in the sheet
- 4. Draw dresses using these lines.

ACTIVITY 2: Draw designs and paint/render them using primary, secondary and tertiary colours.

Material Required

- 1. Practical file
- 2. Colourful pens/sketch pens
- 3. Colours (Poster, Crayon, Fabric)
- 4. Colour plate/Mixing plate
- 5. Ruler, pencil, eraser
- 6. Brushes
- 7. Bowl/glass for water
- 8. Rough cloth

Procedure

- 1. Draw the designs in practical file.
- 2. Paint/ render designs using primary, secondary and tertiary colours.

3. Label them

Check Your Progress

A. Multiple choice questions

1.	colours are just opposite to each other on the colour wheel.		
(a) Analogous			
(b) Complementary			
	(c) Monochromatic		
	(d) Triad		
2.	The purest form of colour is known as		
	(a) Hue		
	(b) Value		
	(c) Intensity		
	(d) Primary		
3.	By mixing two primary colours, we get		
	(a) Secondary colours		
	(b) Monochromatic colours		
	(c) Tertiary colours		
	(d) Hue		
4.	is two-dimensional and represents the outer		
	dimension of an object.		
	(a) Dine (b) Shane		
<	(b) Shape		
	(c) Form (d) Texture		
	(u) Texture		
5.	is the surface appearance of the fabric.		
	Texture		
	Space		
	Design		

(d) Form

B. Questions

- 1. Explain the elements of design.
- 2. Describe the effects of different types of lines on garments along with diagram.
- 3. Differentiate between shape and form with the help of diagrams.
- 4. Explain related and contrast colour schemes with examples.
- 5. Write short notes on the following.
 - (a) Hue
 - (b) Warm and cool colours
 - (c) Dimensions of colour
 - (d) Attributes of textures



Session 2: Principles of Design

Principles of design are the rules for using or arranging the elements of design. These principles are helpful in creating a pleasing and harmonious design. The way in which these principles are applied, affects the message expressed through the garment.

The principles of design include the following.

- 1. Proportion
- 2. Balance
- 3. Emphasis
- 4. Rhythm
- 5. Harmony

1. Proportion

otto be published It includes the relationship of height, width, depth and surrounding space of each design. When all parts of a garment relate well with each other and the wearer in terms of size and number, it is known as a well-proportioned garment.

It is sometimes known as scale

Unequal proportions in the garment are more interesting than when all areas are exactly equal in size because the natural contour of our body is unequal (i.e. With the waist as the dividing line, the body's ratio averages two parts above the waist and three parts below). If a person wears a dress of equal proportion, it will not highlight or emphasize variations in body proportion properly.

For example, Very big collars on a shirt or a top will look interesting.



Fig. 1.32 Proportion in a dress

2. Balance

It is the distribution of the visual weight of colours, textures, shapes, lines etc. Balance can be symmetrical or asymmetrical. Symmetrical balance is created when there are two identical sides of a design with a central point of axis. The same embroidered motif used on the left and right shoulder is an example of symmetrical balance. On the other hand, asymmetrical balance is not uniform on both sides but it still looks attractive. Asymmetrical balance is more difficult and complicated to achieve than symmetrical balance. For example, a one-shoulder gown might look interesting with its asymmetrical neckline, whereas a jacket with different-sized lapels may appear very bad.

(i) Symmetrical balance

When both sides of a design or garment look identical from a central point of axis, it is known as symmetrical balance. It is a centred balance as the design details are divided equally on both sides of an imaginary centre. For a garment or design to have symmetrical balance, both the sides of such a garment or design should be identical in every respect. Symmetrical balance is also called formal balance. It is easy to achieve and is the most logical way to achieve stability. Designs with formal balance are simplest and least expensive to produce.



Fig. 1.33 Symmetrical balance

(ii) Asymmetrical balance

In a design with asymmetrical balance, details are divided unequally from the centre. It gives a more dramatic and interesting effect to the design or garment. It is often achieved with an off-centred closing, asymmetrical neckline, off-shoulder design, etc. If done properly, the design should appear to be balanced, even though its two sides are different. Asymmetrical balance is also known as informal balance.



Fig. 1.34 Asymmetrical balance

3. Emphasis

It means creating a focal point of interest in the selected area of design when compared with other subordinate areas. This area is the first to catch the eye. Emphasis is created by careful arrangement of line, texture, colours, etc. Usually there is one portion in every dress or design which is the centre of attraction. This is known as emphasis or focal point. For example, an embroidered yoke in a kurta.

Without such a centre of interest, an outfit looks unplanned and monotonous. On the other hand, when many focal points are created in a dress, it results in a jumbled and confusing design. For example, in order to emphasise the design on the neckline of a dress, leave the cuffs, hemline and other areas of a dress just plain.

Creating emphasis in garments

- (i) Emphasis may be achieved by grouping rows of tucks, gathers, ruffles, buttons or trims in one area, or by concentration of accessories such as rows of beads, chains, etc.
- (ii) It can also be created by collars, sleeves, pockets, outsized buttons and belts. These can be used to create interest with unusual designs. Unusual and different fabric designs and textures may attract attention provided the garment design is simple and not competing with the design of the fabric or its texture.
- (iii) Emphasis can also be created by placing trims such as laces, buttons, stones or embroidery motifs on a plain or contrasting background. This also highlights the motif or trims and makes it the centre of attraction in a garment.

- (iv) Contrast of colour, line, shape, and texture will also create emphasis. However, avoid using contrasts too many times, as often it loses impact in the design.
- (v) Yokes, collars, cuffs and shapes will be more noticeable when their edges are outlined in a contrasting trim.



Fig. 1.35 Emphasis with contrast of colour

Rhythm

It is also known as movement. Rhythm or movement helps in creating a path for the eyes to glide over smoothly. As a result, the dress or design looks appealing. It has a feeling of organised movement as the arrangement of the design elements make the eye move easily over the apparel areas. Rhythm in garment design can be obtained by repetition, gradation, transition, opposition or radial arrangement of various parts of apparel and fabric design.

(i) Rhythm through repetition

Repetition occurs when a line, shape, colour or texture is used more than once in a garment. The eye travels over the repeated elements or features in the garment. This movement emphasises and links common features in a design, thereby uniting the design. Repetition can be depicted in garments through the use of pleats, gathers, seam lines, tucks, and use of trims like buttons, beads, laces and it can also be depicted with prints in a fabric.

Repetition is of two types.

(a) Regular Repeating design patterns or motifs in a regular interval.

(b) Irregular: Repeating design patterns or motifs in an uneven manner or irregular interval.

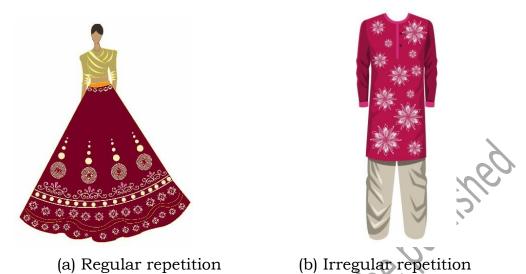


Fig. 1.36 (a,b) Repetition of embroidery motif

(ii) Rhythm through gradation

In the case of creating rhythm through gradation, only one of the elements in a garment is varied in an eye pleasing way in increasing or decreasing manner.



Fig. 1.37 Gradation through colour in a design

(iii) Rhythm through alternation

It is another way of creating rhythm by using alternating elements, patterns or compositions back and forth. What is important is the connectedness between the alternating objects, so that there is an undisrupted eye movement throughout the work. It is usually created by repeating any two designs together to form a linear or directional pattern. Some of the design

elements used for creating alternating rhythm include lines, colours, space, shape, texture and patterns.



Fig.1.38 Alternation in a garment by colour

(iv) Rhythm through transition

The word transition means change. So transition is change from one style, colour, position, etc., to another in such a way that there is no break or gap during that change. In a garment or apparel, transition means easy movement or gliding of eyes from one part to another. For example, the curved lines from the waist to the bottom in a gown provide a smooth path for the eye and it moves gradually over various areas of the gown rather than abruptly.



Fig. 1.39 Transition in a garment

Transitional lines and shapes lead the eye gracefully and easily from one area or direction to another. This is the case in dropped shoulder designs, puff sleeves and cap sleeves. Use of scarves, shawls, ruffles and gathers in a garment can also create transition.

(v) Rhythm through radiation

Radiation means to diverge from a central point. In a garment designed to achieve rhythm by radiation, the eye moves in different directions from a central point. This can be created using gathers, folds, tucks, darts or pleats from a central point. For example, radiating tucks around a neckline, sequins or mirrors placed radially around the waist or shoulder, the soft folds in a draped gown. Trims and embroidery motifs also help in creating radiation in garments.



Fig. 1:40 Radiating tucks around neckline

Radiation may be created in the same direction or in opposing directions.



Fig. 1.41 Radiation in the skirt

Continuous pleats, tucks, laces, frills, scalloped hemlines, gathers, etc. Create graceful rhythms in a garment. Trims and laces, embroidery stitches, etc., also create rhythmic movements in a garment or apparel.

5. Harmony

When elements and principles of design work together in a pleasing manner, they create harmony. Harmony is also called unity in design. It is a pleasing visual unity, the relationship among all parts within a whole design. When a design has unity, it gives an overall pleasing impression, a feeling of belongingness to the composition that attracts and holds the attention of the observer and gives a balanced look to the design.

All parts of a garment must blend well with each other in terms of colour, texture and size. For example, silk and chiffon create harmony in a dress, but silk will not look harmonious with jute.

Functional aspects of Harmony

- 1. Silhouette of the garment should be in a good relation to the body shape.
- 2. If using style lines, it should be consistent in every area of the garment.
- 3. Shape of all areas of the garment should be in such a way that the continuity of the design is not broken.
- 4. Visual textures should be used in a pleasing way.
- 5. Same or contrasting color combination should be used in such a way which provides harmony.
- 6. Differences in the hem lengths of sleeves and garment ends should be avoided as they hinder the horizontal movement of the eye.

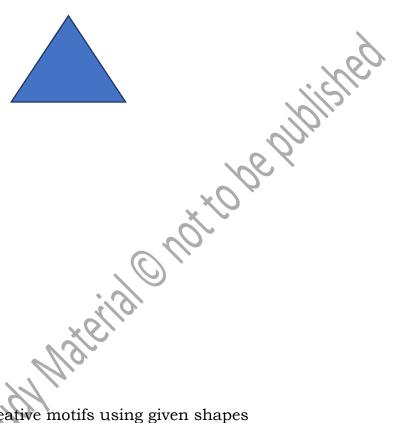


Fig. 1.42 Harmony in a garment

Check Your Progress

Activity 1: Sketch a dress depicting emphasis and rhythm using following shapes-





Materials Required-

- 1. Pencil
- 2. Pen
- 3. Colours
- 4. Eraser
- 5. Sheets
- 6. Brushes

Procedure-

- 1. First of all, make 2 creative motifs using given shapes
- 2. Sketch any 2 dresses of your choice
- 3. Place your prepared motif on your sketched dresses to show emphasis and rhythm
- 4. Submit the same in your classroom

ACTIVITY 2: Prepare sheets of symmetrical and asymmetrical balance in garments.

Material Required

- 1. Practical file
- 2. Pencil, eraser, sharpener
- 3. Colourful pens/sketch pens
- 4. Ruler

Procedure

- 1. Draw sketches showing symmetrical and asymmetrical balance in garments or collect any 10 dresses pictures from internet showing these balance.
- 2. Colour or render the sketches or if collecting pictures from internet, print them, cut and paste in your file.
- 3. Label them

Check	Your	Prog	ress
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A.	Fill in the blanks						1121.	
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	centre.				_C	> 7		
2.	is sometimes kno	wn as so	cale.		". ().			
3.	Balance can be	or		<u>X</u> /	9			
4.	refers to the another part of the garment.	smooth	eye m	iovem	ent	from	one pa	rt to
5.	is also called unit	y in desi	ign.					
В.	Multiple choice Questions:	~ O ! !						
		3/2						
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	ything else in design; Domin							
	cal point noticed.						•	
i)	Emphasis							
ii)	Harmony							
iii)	Balance							
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0	William Lines along	4	1 1		414			
	What are repeating lines, shap	pes or ot	ner eier	nents	tnat	crea	te a patte	ern?
i)	Rhythm through Repetition							
ii)	Balance							
iii)	Unity							
iv)	None of the above							
3.	Formal balance is also called	as2						

- i) Asymmetrical balance
- ii) Radial balance
- iii) Symmetrical balance
- iv) Geometric balance

B. Questions

- 1. Explain the principles of design.
- 2. Describe the different types of balance in garments with the help of diagrams.
- Explain how emphasis can be created in garments with the help of 3. diagrams.
- Describe how rhythm can be created in garments with the help of 4. diagrams.
- aspects.

 Schill Draft Study National School 5. Write about the importance of proportion in a garment.

Module 2

Advanced Adda Work Styles and Stitches

Module Overview

Adda work is a very intricate form of embroidery done to make a garment look appealing and aesthetic. It can also be used to beautify accessories such as bags, clutches, footwear and other items like table runner, coasters, curtains etc.

Adda is a wooden frame on which the fabric is stretched for embroidering. An adda is preferred in commercial hand embroidery because it leaves both the hands free for embroidery as the embroiderer doesn't have to hold the fabric and the frame. Thus, it speeds up the work. Also, since the fabric is stretched tightly on the frame/adda, the work turns out to be neat. The embroidery done on adda are popularly called adda work. In adda work, the embroidery is mainly done with the help of a needle called aari but some embroidery stitches are also done with the help of the hand embroidery needles as per the requirement. The embroidery done with the help of aari is mainly called as aari work hence, many times the terms aari work and adda work are used interchangeably. Sometimes an adda or wooden frame is also known as karchob and that is why adda work is also known as karchobi. Different types of threads such as cotton, synthetic, metallic, silk etc. are used for adda work. Earlier metallic threads of gold and silver were used for the adda work but now a days artificial golden and silver metallic threads are used commonly.

Apart from these, various other synthetic threads which look like metallic threads are also used for this work. One important thing to be noted here is that nowadays, embroidery with metal threads is also being done using machines. However, it should not be confused with adda work because adda work is done manually on adda and hence it (adda work) requires more time and effort. Many times it is difficult to differentiate between the two till a close look is given to the back side of the work. Adda work and machine embroidery can easily be differentiated from the back side of the work because in adda work metal threads are visible from both front and back but in machine embroidery the metal threads is used only for front design and the polyester threads are mostly used for the back of the design.

The main stitch used in adda work is chain stitch, the other stitches include couching, stem, satin, long and short, French knot and bullion

stitch. Beads, sequins, pearls, crystals, etc., are also used along with embroidery, thus, making adda work very rich and beautiful.



Fig.2.1 Adda work in progress

Adda work is used to create formal and trendy garments and other articles globally. It is exported to other countries because of its increasing demand all over the world. It is also popular for bridal wear and traditional Wear. Adda work articles like costumes, purses, heavily embroidered blouses, footwear, etc. are quite famous. Adda work and its advanced detailed stitches are the most tedious form of needlework but the resulting garments look extremely delicate and the stitches appear very fine and appealing to the eye. The various styles and stitches of adda work help in creating beautiful party wear and bridal wear collections. This Unit covers various styles such as gotta patti, zardozi, tilla, mukaish, etc., and stitches like chain stitch, satin stitch, couching, etc.

Learning Outcomes

After completing this module, you will be able to:

- Demonstrate different styles of adda work
- Carry out different stitches of adda work
- Demonstrate Different Types of Fancy Adda Work

Module Structure

Session 1: Different Styles of Adda Work

Session 2: Different Stitches of Adda Work

Session 3: Fancy Adda work

Session 1: Different Styles of Adda Work

Adda work can be classified into various styles depending upon the raw material design motifs and the stitches used for these materials. Sometimes there are different names for the same style whereas at other times, the kaarigars use different terminology and techniques than those mentioned in books and journals. Manytimes, kaarigars and lay men use the names of different styles and fancy work interchangeably. Locally recognised terms are also used by the kaarigars. Moreover, the nomenclature for styles, stitches and fancy work done on adda have found to be influenced by the local language of the kaarigars and the dialect of the region. It is also observed that in the nomenclature of, styles, stitches and fancy work, lot of the variation is seen based on the culture, tradition, local practices, community background of the kaarigars. Hence, the names of styles, stitches and fancy work are referred differently by different kaarigars. Though there may be some variations and difference of opinions regarding the nomenclature of adda work and its styles, everyone agrees on the fact that adda work is one of the most opulent and beautiful works of embroidery.

It is believed that adda work styles are greatly influenced by Persia and were brought to India by the Mughals. They patronized the kaarigars and there were dedicated karkhaanas (workshops) where the kaarigars skilfully made embroidered articles such as costumes, gift items, etc. for the royal families.. Slowly, these styles were also influenced by India. So, adda work as we see today is a beautiful amalgamation of Persian and Indian styles. The beauty of the adda work depends on the skills of the embroiderer and material used.

Generally the skill is passed on from generation to generation. Government has now started various schemes and courses to preserve and uplift this traditional style of embroidery.

VARIOUS STYLES OF ADDA WORK

Some of the popular styles of adda work are as follows.

- 1. Zari work
- 2. Zardozi
- 3. Mukaish
- 4. Gota patti
- 5. Danke ka kaam
- 6. Pitta work
- 7. Tilla work
- 8. Mukke ka kaam

4. ZARI WORK

Though many people use the word zari embroidery for zardozi, tilla, dabka work but zari work is mainly one of the styles of adda work. However, many kaarigars and customers often use the term interchangeably for adda work. In zari work, the stitches are taken through the fabric whereas in zardozi, gota patti and tilla work, the threads and other materials such as sequins, stones, etc., are applied on the surface and not through it.

Zari work is lighter than zardozi work. It involves embroidering the design mostly with chain stitch using metallic threads, coloured silk threads and other synthetic threads).

Base fabric and material used: Generally, zari work is done on lighter fabrics, such as chiffon, georgette, crepe and lightweight silk. Nowadays, it is also done on art silk or rayon fabric. It is done with both metallic and coloured threads. In Zari work, sometimes sitara or tikki can be used along with threads to make it more attractive.

Motifs: Traditionally natural motifs such as flowers and leaves, vines and creepers, peacock, etc., are made using this style. Other motifs include minarets, domes, jaalis (lattices), etc.

Products and items: Traditionally, zari embroidery was done on sarees, ghaghras, dupattas, safas, etc.

Contemporary use: Designers nowadays are experimenting with the use of zari work on western wear, hand clutches, stoles, etc.



Fig.2.2: Zari work design

5. **ZARDOZI**

It is a heavy, intricate and elaborate form of zari embroidery work wherein golden or silver threads are teamed with pearls, sequins, spangles, beads, wire, precious stones, gota, etc.). The word zardozi is derived from Persian words zar and dozi. Zar means gold and dozi means embroidery. It is a

popular term for golden and silver embroidery and the zardozi embroiderer is called zardoz.

Zardozi is heavier than most other adda work styles and was used to ornament, royal costumes, furnishings and even accessories like batwas, fans, jutees, etc.

Zardozi embroidery requires patience and expertise. It is the most common choice for bridal and designer wear like gowns, ghararas, lehenga-chunni and heavy sarees. It is thriving in India, with rapid growth in both domestic and export markets. Famous centres for zardozi work in India are Delhi, Ajmer, Jaipur, Surat, Agra, Lucknow, Varanasi, Bhopal, Bombay, Aurangabad, Hyderabad and Murshidabad. It mostly uses laid/couching work which is done with threads, sequins, pearls, stones, etc. These are attached to the surface by couching and chain stitch using aari as well as simple embroidery needle.



Fig 2.3 (a,b) Zardozi work

Base fabric and material used: Traditionally, zardozi work was done on heavier fabrics, like velvet, satin, brocade, woollen, heavy cotton fabrics, etc. Nowadays, it is also done on art silk, rayon, etc. The base fabrics are embellished with a variety of metallic threads.. These metallic threads come in a variety of thickness and shades. These can be flat, coiled or twisted. Along with metallic threads, sequins such as flat or katori (bowl) type, pearls, stones, crystals are used. Generally it is done using both aari and hand embroidery needles.

Products/items: Some of the items that can be embroidered using zardozi work are royal and court costumes, gifts and souvenirs, royal tents, procession flags and umbrellas, animal trappings, carpets, wall hangings, cushions, batwas and purses, headgears, jutees, etc.

Contemporary uses: Nowadays, designers are experimenting with zardozi on a variety of fabrics such as chiffon, crepe, net, etc., for designing novelty

items, such as sarees, stoles, western wear, tray covers, coasters, mobile covers, , etc.

3. MUKAISH

It is also one of the popular styles of adda work and is done using badla taar. Badla taar is a flat metal wire in golden or silver colour. The flat wire or badla is pierced through the fabric to create a small pressed dot. Lucknow, Aligarh, Delhi, Hyderabad and Ahmedabad are popular centres of mukaish work. Popular mukaish designs include flowers, paisley/kairi, jaal, birds, etc.

It was mostly done on sarees, dupattas, veils and safas. Earlier, pure gold and silver badla wire was used for mukaish but nowadays, machine made wires of steel, copper, aluminium, etc., are used. It is mostly done on delicate fabrics, like chiffon, georgette, muslin, etc. Designers are also using mukaish in combination with other Indian embroideries like chikankari, tilla, etc.

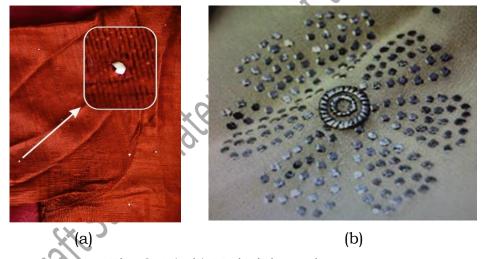


Fig. 2.4 (a,b) Mukaish work

Base fabric and material used: Mostly it is done on delicate fabrics like muslin, crepe, chiffon, georgette, etc. Badla taar or flat metal wire is inserted directly through the fabric.

Products/items: Sarees, dupattas, pagdis, veils are traditionally made with this adda work style.

Contemporary uses: Designers are also experimenting with the use of mukaish on stoles, bags, curtains, spectacle covers, etc.

4. GOTA PATTI

Gota is a metallic and synthetic ribbon and comes in different widths. Essentially, it is a strip of golden or silver ribbon of varying width, woven mostly in satin weave. Nowadays, gota is also available in other metallic shades. The base fabric is tightly stretched on the wooden frame for gota work. This work involves attaching the gota on the base fabric with a metallic wire known as zari. The gota is manipulated in many shapes, such as flowers, spirals and creepers, and the width of the ribbon can vary depending on how thick or thin the design requirement is. Gota work uses the applique technique in which a small-sized ribbon is placed on the fabric and stitched on the edges to create elaborated patterns.

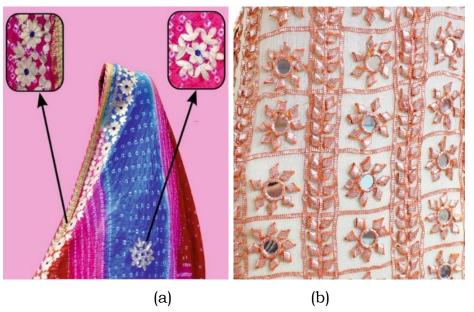


Fig. 2.5 (a,b) Gota patti work

Gota work is a centuries-old craft and is a speciality of mainly Rajasthan. Traditionally, it was done for members of the royal family and court. Gota patti work is an integral part of traditional Rajasthani attire that is the poshak and ceremonial wear. Nowadays, designers and artists are using it for party wear and bridalwear.

Base fabric and material used: Gota patti work can be done on plain as well as dyed fabrics. Mostly it is done on chiffon, georgette and lightweight silk. Usually gota is attached using metallic threads butnow a days polyester threads are also used to attach gota on the base fabric.

Products/items: Traditionally, gota patti work is done on ghaghra choli, dupattas, sarees, safas and bridalwear.

Contemporary uses: Nowadays, it is also done on velvet, artificial silk or rayon and kota doria fabrics. Apart from gota patti work, sequins and stones are also being used in this embroidery. With changing tastes and lifestyles of customers, one may also find gota patti work on mobile covers, spectacle

cases, dupattas, kurtas, stoles, sarees, readymade laces and borders, bags, purses, cushion covers, etc.

5. DANKE KA KAAM

Danka is a small, square-shaped metallic plate. It comes in various sizes, but mostly it is not bigger than 1.5 cm. Now a days, Danka is available in various shapes. Danke ka kaam is called so because it is done using danka. Earlier, danka was made of gold and silver as it was mostly used in royal apparel. Nowadays, , danka is made of various metallic and synthetic sheets. It is mostly available in golden and silver colours. . It is done on odhnis (dupattas), sarees, blouses and traditional Rajasthani poshak. Udaipur in Rajasthan is famous for danke ka kaam. Danka work motifs are mostly naturalistic and include flowers, creepers, paisley, birds, peacocks, etc.



Fig. 2.6 Danke ka kaam

Base fabric and material: Traditionally, it was done on rich fabrics, like silk, velvet and satin. However, today it is also done on chiffon, georgette, tissue, organza, etc.

Products and articles: Traditional Rajasthani poshak comprising ghaghracholi, odhni, crowns and caps, turbans or safas, fans, etc.

Contemporary uses: With changing lifestyles and preferences of customers, nowadays, this work is also seen on dupattas, sarees, kurtas and home décor items, etc.

6. PITTA WORK

It is an ancient work of embroidery in which first the filling of the motif is done with the help of metal wires and then it is beaten with a wooden hammer so that the texture becomes uniform. It gives a graceful matte finish to the design. However, care has to be taken that the work is beaten to uniform thickness and with uniform pressure, otherwise it will look uneven.

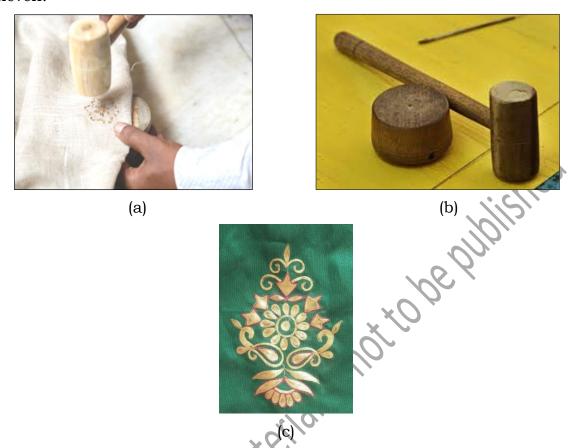


Fig. 2.7 (a,b,c) Pitta work on fabric

Base fabric and material used: Like other adda work styles, it was also done on silk, velvet, satin, etc. Metal wires of different thickness are used for filling of the motifs.

Product and uses: Traditionally it was used for creating dresses of royal families.

Contemporary uses: The contemporary uses of pitta work are many and depend on the creativity of the designer and the customer's preference. Today, pitta work is mainly used for bags, kurtas, home décor items, sarees, and party wearsetc.

7. TILLA WORK

This is another style of adda work. It is also known as tilla dozi, it requires immense skill and precision. Jammu, Kashmir and Amritsar are known for this style of adda work. This work is mainly used to make pherans and shawls in Jammu & Kashmir and juttees in Punjab and Haryana. In olden

times, this work was also done on robes and chogas. Tilla work is done on the lower neck of a garment or its yokes, cuffs and lower border.

Base fabric and material: Traditionally, it was done on silk, velvet and woollen fabrics. Tilla is extensively used to decorate ethnic wear. Golden and silver threads are delicately tied by needlepoint over the fabric to create lovely designs. The whole process needs skill, patience and accuracy.

Products/articles: Pherans, angarakha, kurtas, chogas (loose overall garment), jutees.

Contemporary uses: Nowadays, designers are experimenting with tilla work on variety of fabrics, like acrylic, woollen blends, rayon, etc. Many Indian brands and designers are collaborating with artisans of tilla work to create articles like jackets, kurtas wall decor, cushions, etc.



Fig. 2.8 Tilla Work

8. MUKKE-KA-KAAM

It is a type of embroidery from Rajasthan, which largely uses a special type of golden and silver threads so that the fabric looks attractive. Mukka is the local term for metallic threads made by winding gold or silver around a core of cotton fibre. Both golden and silver mukkas are used in this embroidery work. Two threads, mukka and a working thread are used in mukka work. The Thar belt of Rajasthan is famous for this work. The metal thread is doubled, placed on the fabric in circular, oval, square shapes and attached on fabric with couching stitch using another thread/working thread. The couching is skillfully done so as to reveal the maximum surface area of the metallic thread. Various other stitches are also used. Presently, the work is done with different types of metal threads. The artisans of Rajasthan trace the design on the fabric and use a black thread to fill in the outline. A mirror is sometimes attached in the centre of the motif, with the mukka couched around it. Mukka work is sometimes combined with other styles of embroidery also, because of which final outcome is a usually very rich and colourful. Zigzag patterns stars, and triangles are especially popular designs in Mukke ka kaam.

Base fabric and material: Traditionally, it was done on silk, velvet and cotton fabrics. Nowadays, designers are experimenting with mukke ka kaam on variety of fabrics, like chiffon, georgette etc. Golden and silver threads are extensively used for this work but now other colours are also used.

Products/articles: Mukke ka kaam was traditionally seen on kanchlis, wall hangings and purses.

Contemporary uses: With changing lifestyles and preferences of customers, nowadays, this work is also seen on dupattas and sarees.



Fig. 2.10: Mukke ka kaam

Activities

ACTIVITY 1: Prepare a design catalogue of swatches/samples of different adda work styles as given in the session above.

Material Required

- 1. Samples/swatches of various adda work styles
- 2. Practical file
- 3. Glue
- 4. Coloured pens
- 5. Scissors

Procedure

- 1. Collect and attach the samples in the practical file.
- 2. Label them neatly and correctly.

Check Your Progress

Fill in the blanks

1.	Tilla work is also known as
2.	city in the state of Rajasthan is famous for danke ka kaam.
3.	is a metallic ribbon and comes in varying widths.
4.	is a small square metallic plate used in danke ka kaam.

Questions

- 1. Explain the traditional styles of adda work in detail.
- 2. Briefly describe materials, motifs and traditional as well as contemporary uses of mukaish work.
- 3. What is meant by the term zardozi? Give a detailed explanation.
- 4. Describe aari work.
- 5. Write short notes on the following
 - (a) Material required in adda work
 - (b) Gota patti work
 - (c) Danke ka kaam

SCIIL Drai

(d) Pitta work

Session 2: Different Stitches of Adda Work

Though there are many styles of adda work, yet only some basic stitches are used to create marvellous embroidered pieces. The main stitches used in adda work are couching, chain stitch, stem stitch, long and short, satin, French knot, bullion knot, herringbone stitch. These stitches are combined with sequins, pearls, stones, etc., to create traditional as well as contemporary designs. The skill and dexterity of the embroiderer is very important and crucial in bringing out the beauty of the design and in turn the product.

ADDA WORK STITCHES

1. CHAIN STITCH: In adda work, chain stitch is used for filling of the motifs and is known as fansa or butt in the local language. This helps in filling the large areas in a design speedily. In addition to that, chain stitch can also be used for outlining as well as for filling the inner part of a design completely to give it a rich look. It can be done very close to each other and with a space of a line in between in order to create different effects and variations. It is very simple to do for beginners. The use of shaded coloured threads brings an interesting look to this stitch. (For the steps of making this stitch, please refer to Hand Embroiderer (Addawala) Class IX))



Fig. 2.11: Chain stitch

2. BULLION KNOT: Generally in adda work, aari is used for embroidering, but for some stitches, like bullion and French knot, a simple hand embroidery needle can also be used. The bullion knot can be used for making flowers, buds, bunches, etc., in combination with other stitches.

Beginners should practice only a four-five times wrapped bullion knot. More wraps can be added as one masters the skill. The thread is brought from the back of the fabric and the needle is inserted in a short space towards the place that the thread emerges from the fabric. The distance between these two points determines the length of the knot.

How to work Bullion Knots:

- Step 1: Bring the needle to the front or right side of the fabric.
- Step 2: Wound the thread 5-6 times around the needle.
- Step 3: Take care that the thread doesn't overlap or cross the needle.
- Step 4: Pull the needle through these wounded thread coils, holding the thread coils with the first finger and thumb. This would help in making smooth bullion stitches without any knots.



Fig. 2.12 Step of doing bullion knots

Step 5: To complete the stitch, the working thread should be pulled up and away from the embroiderer.

Step 6: Now as the coil tightens, the direction of pulling of the thread should be changed and it should then be pulled towards the embroiderer.

Step 7: Now insert the needle at the point where the thread first emerged. This is bullion stitch.

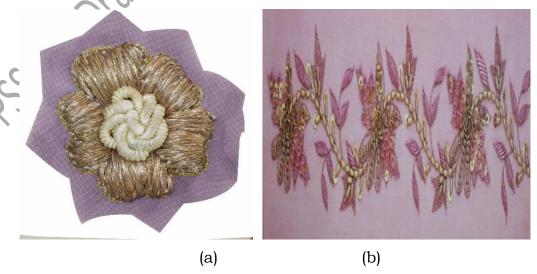


Fig. 2.13 (a, b) Bullion knot samples

3. French Knot

It is a stitch type that creates small tight knots. Grouping of these knots can form pleasant centres of flowers and other emphasis in a dainty piece of work.

As a filling stitch, French knot can be used to fill in small circles and centre of flowers. Many closely done French knot stitches can give 'wool-like appearance' and can be used creatively. Though the working is similar to bullion stitches, but to make a French knot, the coiling of thread is done only two to three times and then a needle is inserted at the same point in the fabric, from where it emerges.



Fig. 2.14 French knot stitch samples

4. LONG AND SHORT STITCH

This stitch is known as painting by thread, or silk shading as it appears like shading done in a painting. In the first row, the stitches are of varying lengths. This gives an uneven edge into which more rows of stitches fit. There is no fixed line where one row or shade, meets the next. The colour variations given by the blending of colours of the thread make the designs look like a painting.

Step 1: Insert the aari downwards through the fabric towards the wrong side of the fabric. The aari is held on the right hand and it is then threaded with the left hand.

- Step 2: Catch the thread in the aari hook.
- Step 3: Bring it upwards through the fabric towards the right side, without letting go the thread.
- Step 4: Make a straight stitch slightly longer than the usual stitch length. Now repeat steps 1, 2 and 3.

Step 5: This time make a straight stitch again but it should be shorter in length than the previous stitch.

Step 6: Continue repeating the steps from 1 to 5 in this manner till the complete motif is filled.

You can use shaded threads for greater depth.



Fig. 2.15 Process for making a long and short stitch

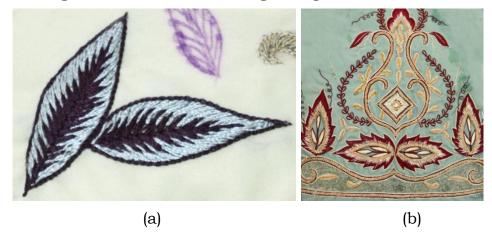


Fig. 2.16 (a,b) Samples of long and short stitch

Tips to work with long and short stitches

- (i) Divide the design into small manageable parts, suitable for a single small straight stitch. The alternate stitches are generally double the length of the short one.
- (ii) Preferably use a single thread for this work so that a neat and even effect can be created.
- (iii) Use a multi-coloured thread for a beautiful, painting-like appearance.
- (iv) Stitches should be closely packed so that no empty space is left in the design.
- (v) Start work from the broader part of the design to the most intricate. First the outline stitch row should be worked then the filling inside.
- (vi) Initial slant of the stitches should be according to the shape of the design.

5. Satin Stitch

It is a series of flat stitches which are used to fill or completely cover the design. It is mostly used for filling leaves, flowers and other such motifs.

Steps for doing satin stitch

Step 1: Insert the aari downwards through the fabric towards the wrong side of the fabric. The aari is held on the right hand and it is then threaded with the left hand.

Step 2: Catch the thread in the aari hook.

Step 3: Bring it upwards through the fabric towards the right side, without letting go the thread.

Step 4: Make a slightly slanting stitch from one edge of the motif to the opposite edge.

Step 5: Now repeat steps 1, 2, 3 and 4. Continue repeating the steps from 1 to 4 in this manner till the complete motif/design is filled.

Step 6: To end the stitch, take the aari downwards and secure the thread with a knot on the back side of the fabric.



Fig. 2.17 Sample of a satin stitch

Couching

It is one of the most basic stitches of embroidery but it helps in creating very beautiful designs. It is mostly used in zardozi, mukke ka kaam and tilla work. It mainly involves tacking the dori or thread in various shapes, such as spiral, flower, leaves, etc. Couching involves two threads. One of the thread or dori is laid on the design and the other thread is used to tack the dori in place to make the pattern. Couching is also used to attach various decorative materials on the surface of the fabric.

Steps for couching

Step 1: Fix the dori/cord on the design with fabric glue or adhesive. Traditionally, the dori was not glued to the fabric but this helps in couching it neatly. This is especially helpful for beginners.

Step 2: Insert the aari downwards through the fabric towards the wrong side of the fabric. The aari is held in the right hand and it is then threaded with the left hand.

Step 3: Catch the tacking thread in the aari hook.

Step 4: Bring it upwards through the fabric towards the right side near the dori/cord, without letting the thread go or come out of the aari.

Step 5: Tack the dori/cord with a horizontal stitch across the dori/cord. Now repeat steps 1, 2, 3 and 4.

Step 6: Continue repeating the steps from 1 to 4 in this manner till the motif/design is completed.



Fig. 2.18: Couching

7. Herringbone Stitch

It is worked mostly between two imaginary parallel linesBut for beginners, it is advisable to draw two parallel lines and practice the stitch. A series of criss-crossed diagonal stitches are made between the two lines. These stitches will show up as parallel rows of running stitch on the reverse side of the fabric. Herringbone stitch is one of the most versatile embroidery stitches, as it can be used for filling as well as edging too. It is also used in chikankari embroidery for creating shadow work.

Steps for doing herringbone stitch

Step 1: Insert the aari downwards through the fabric towards the wrong side of the fabric. The aari is held in the right hand and threaded with the left hand.

Step 2: Catch the thread in the aari hook.

Step 3: Bring it upwards through the fabric towards the right side without letting the thread go.

Step 4: Since this stitch is worked between two parallel lines, bring the aari at the base of one of the lines. Now make a diagonal stitch and end it on the other line at a slightly higher level. Now the aari is again on the back side. Then make a small back stitch come again on the top. Now make another

diagonal stitch, to slightly lower level from the previous stitch. You now have a criss-cross stitch which is known as herringbone stitch.

Step 5: Now repeat steps 1, 2, 3 and 4. Continue repeating the steps from 1 to 4 in this manner till the criss-cross stitches completely cover the design..

Step 6: To end the stitch, take the aari downwards and secure the thread with a knot on the back side of the fabric.

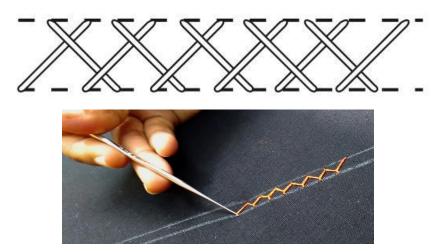


Fig. 2.19 Herringbone stitch

Activities

ACTIVITY 1: Fix the fabric on the adda and prepare samples of adda work stitches (as given in the session above).

Material Required

- 1. Fabric (sample size to be 8"x 8")
- 2. Embroidery threads (Cotton, silk and zari threads)
- 3. Beads, sequins, stone, etc.
- 4. Aari needles
- 5. Hand embroidery needles
- 6. Practical file
- 7. Pencil
- 8. Coloured pens
- 9. Glue
- 10. Scissors

Procedure

1. Fix the fabric on an ADDA.

- 2. Trace the designs on the fabric.
- 3. Embroider the traced designs (to carry out the stitches follow the instructions as given in the session above) under the supervision of the teacher/instructor.
- 4. Check and finish the samples.
- 5. Finish the edges of the samples.
- 6. Attach the samples in your practical file.
- 7. Label them neatly and correctly.

ACTIVITY 2: Fix the fabric on an adda and prepare samples of various adda work styles.

Material Required

- 1. Fabric (sample size of 8" x 8")
- 2. Metallic threads, coloured threads, sequins, etc. (as given in the session above)
- 3. Scissors
- 4. Aari needles
- 5. Hand embroidery needle
- 6. Glue
- 7. Marker
- 8. Practical file

Procedure

- 1. Fix the fabric on the adda.
- 2. Neatly trace the designs on the fabric.
- 3. Prepare samples of various adda work styles (follow the instructions as given in Session 1 of this unit)under the supervision of teacher/instructor.
- 4. Check and finish the samples.
- 5. Finish the edges of the samples.
- 6. Attach the samples in your practical file.
- 7. Label them neatly and correctly.

Check Your Progress

A. Fill in the blanks.

1.	and stitch is also known as painting by thread or silk painting.
2.	In adda work, herringbone stitch can be used for as well as
3.	In adda work, chain stitch is used for filling of the motifs and is known asin the local language.
4.	Grouping of can form pleasant centres of flowers and other emphasis in a dainty piece of work.
5.	Couching stitch is mostly used inand work.

B. Questions

- 1. List out the different stitches generally used in adda work. Discuss any one in detail.
- 2. Explain the steps of doing bullion knot stitch.
- 3. What is 'couching'? How is it done?
- 4. Describe the herringbone stitch.
- 5. Write short notes on each of the following.
 - (a) Long and short stitch
 - (b) French knot
 - (c) Satin stitch

Session 3: Fancy Adda Work

Styles and stitches used for adda work have many similarities and overlapping. The overlapping of stitches, styles and raw material have also been observed in traditional and contemporary work on adda. It is difficult to categorise the adda work according to stitches, styles, various types of needles/aari and raw material separately. In different stitches and styles, differences also found of locality, community and region. This was also observed for the nomenclature of various stitches, styles and work done on adda. Looking to all these aspects, some selected fancy types of adda work are given in this session.

1. ZALAKDOZI

It is the embroidery from Kashmir and is done in chain stitch with an aari. Kashmir is famous for other embroideries also but zalakdozi can be differentiated from them because it traditionally uses only chain stitch which is made by wool, cotton and silk threads. Zalakdozi is used for making kurtas, silk and woollen jackets, bedspreads, cushion covers, woollen carpets and rugs, etc.



Fig. 2.20 Zalakdozi

2. MOCHIBHARAT

This fancy workis mainly done by the mochi community of Gujarat and Rajasthan. It is also done with aari needle. It involves making chain stitch with bright coloured threads in red, purple, green, yellow, blue, etc. Mochibharat is also known as aaribharat as it uses aari for embroidering the motifs. This work has its own uniqueness due to its motifs, decorative items used and bright coloured threads. This workwas originally done on leather items like jutees, purses, bags, etc. Later on, this work was also used for embroidering apparel items, like ghaghra-choli, shawls, jackets, etc.



Fig. 2.21: Mochibharat

3. STONEWORK

is a fancy and contemporary work done on adda. In this work, mainly decorative and fancy stones are used to create interesting patterns and designs on garments. Various stitches are used to attach different types of stones on the fabric. Mainly chain stitch and couching is used to attach the stones. It is mostly used for bridal, festive and party wear. Sarees, ghaghracholi, kurtas and dupattas of stonework are very popular and in demand. Stonework is also done on bags, purses, jutees, mobile covers, etc.

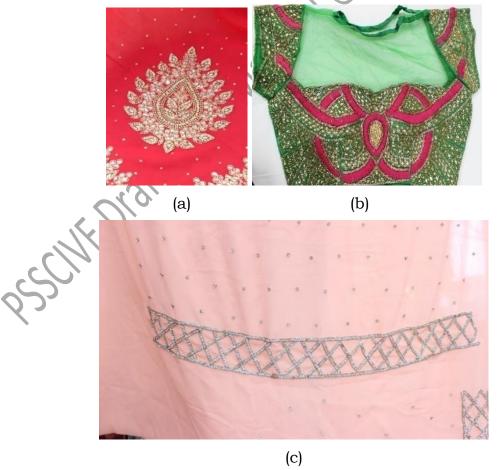


Fig. 2.22 (a, b, c) Stone work samples

4. PAANI FILLING WORK

It is just like chain filling but in this work, filling is done in the form of water-like waves, mostly using cylindrical beads. This is especially useful for covering the background or base of the material. Paani filling gives a heavy and luxurious look to the embroidery. By looking at it, one might feel that it is very easy stitch as it is just chain outline. However, it is quite difficult and tedious as it is done by giving many curves, twists and turns. The embroiderer has to be very careful as the thread should not be broken. Chain filling should be done with very small stitches so the waves and turns appear neat and curvy. It can be done with silk or zari thread only or with small beads (pot) and cylindrical beads (katdana). Running stitch can also be used in paani-filling work to attach the beads.

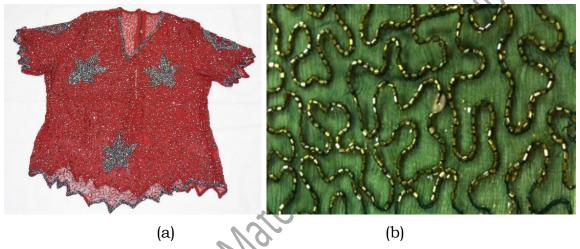


Fig. 2.23 (a, b) Paani filling samples with katdana

5. RIBBONWORK

Ribbon works very popular these days on garments and home furnishing items. Ribbon is used with needle to make different types of designs on the base fabric. For ribbon work, special needle with long eye is used as per the width of the ribbon. The designs are also made of ribbons attaching it on the fabric or making the designs using various stitches by thread. It gives a very dainty and graceful look. In ribbon embroidery, satin ribbons of different widths and colours are used to create naturalistic designs, such as flowers, leaves, creepers, etc., It is mainly done on gowns, tops, sarees and other apparel items.

Silk ribbons are also designed specifically for this type of work. It is also possible to embroider with synthetic ribbons, but it gives a different look. Silk is very thin, which makes it easier to pass through the fabric. Ribbons are available in variety of widths which is helpful in creating designs of different looks.



Fig. 2.24 Sample of Ribbon work

6. BEADWORK

Beads made of plastic, glass, metals, etc., are used to decorate dresses, potli bags, batwas, sarees, etc. Various stitches may be used to attach the beads considering the structure of beads, base fabric, type of items etc. Beads are attached to the fabric mainly using chain stitch, running stitch and couching. Beadwork done on adda is a popular way of embellishing garments and accessories.



Fig. 2.25 Beadwork on potli bag

7. DABKA WORK:

Dabka means 'spring or a coiled thin wire' which is embroidered to create intricate patterns. The spring or coiled thread is embroidered on the fabric in such a way that the needle passes through the middle of the design. To attach dabka, needle passes through it before inserting it in the fabric. This work is mostly done in golden colour. These days silver and copper coloured dabka is also available in the market. The design motifs are usually of flowers, animals, leaves, birds and peacock.



Fig. 2.26 Dabka Work

8. CUTWORK:

In cutwork, the fabric is decorated with various suitable stitches then the desired area is cutaway to create the pattern of cutwork. Many times looking to the design and the fabric, cutwork is created by cutting away the areas of fabric and beautifying the cut edges with different types of stitches. Blanket, running and chain stitch are mainly used for the finishing of raw edges in cutwork. These stitches also prevent fraying of raw edges. Intricate cutwork can also be done on adda. It is mostly done using beads, stones, etc., and looks very dressy and beautiful. It is mainly used to beautify necklines, borders, hems of party wear, sarees, kurtas, dupattas, etc.



Fig. 2.27 Sample of Cutwork

Activities

ACTIVITY 1: Collect 2 pictures of each work explained in this session i.e. stone work, bead work, dabka work, ribbon work, paani filling work and cutwork. Paste it in your file and give their details (Take help from internet, if needed).

Materials Required

- 1. Practical file
- 2. Pencil

- 3. Coloured pens
- 4. Glue
- 5. Scissors

Procedure

- 1. Collect two pictures of each work given.
- 2. Paste it in your file.
- 3. Write about it in detail in front of the picture.

ACTIVITY 2: Prepare one sample of any fancy work given in the session as per the availability of tools and materials.

Materials Required

- 1. Fabric
- 2. Threads
- 3. Needle and aari
- 4. Beads, stones, dabka, ribbon, katdana (as per the requirement)
- 5. Adda

Procedure

Preparation of sample of adda work would be done under the guidance and supervision of teacher/instructor.

- 1. Trace the selected design on the fabric.
- 2. Fix the fabric on the adda.
- 3. Embroider the fabric using any fancy work of your choice.
- 4. Remove the fabric from adda.
- 5. Finish the sample.

Check Your Progress

A. Fill in the blanks

1.	In	work, the filling is done in the form of water-
	like waves.	
2.	is the e	nbroidery from Kashmir and in this style,
	stitch is done with a	ın aari.

- embroidery is done by the mochi community of 3. Gujarat and Rajasthan.
- 4. is cutting away the areas of fabric according to the design and beautifying the cut edges with different types of stitches.

B. Questions

- 1. Explain different fancy adda work in detail.
- 2. Differentiate paani filling work and cut work.
- 3. Write short notes on:
 - a) Stone work
 - b) Bead work
- SSCIIII Draft Study Naterial Chot to be 4. What is ribbon work? Which types of designs are generally done with

Module 3

Accessories and Garment Components of Adda Work

Module Overview

Now that we know the importance and beauty of adda work and also the hard work behind it, it is time to know about its various uses and scope apart from garments. We all know that adda work is used to ornament and decorate trousseau, party wear, sarees, gowns, dupattas, kurtas, jackets, etc. In this Unit, we will study about some other accessories which are decorated using adda work. Not only accessories, it is also used for beautifying home furnishing items, like cushions, runners, bedspreads and utility items, like tray covers, coasters, etc. Accessories are used to add more interest and beauty to the garments as well as the wearer's personality. These include bags, purses, caps, scarves, headgears of various kinds, footwear, belts, brooches, tiepins, mobile covers, etc. Earlier people didn't pay much attention to accessories but nowadays these have become an important part of the overall look of the dress. There are designers and brands which manufacture and sell only accessories.

Apart from accessories, adda work is also used to beautify garment components. Garment components are various parts of a garment, such as collars, plackets, yokes, sleeves, etc. Garment components most popularly embroidered with adda work include collars, yokes, sleeves, cuffs, buttons, pockets, etc. The choice of garment component to be embroidered depends on the client's taste and design requirement.

Learning Outcomes

After completing this module, you will be able to:

- Explain Accessories of Adda Work
- Explain garment components of adda work

Module Structure

Session 1: Accessories of Adda Work

Session 2: Garment Components of Adda Work

Session 1: Accessories of Adda Work

An accessory is an additional item, such as a cap, bag, belt or a purse, worn or carried to enhance the look and appeal of one's dress. Accessories give a complete look to the outfit and make it more interesting.

Adda work is a popular means of decorating accessories, such as potlis, clutches, headgears, shoes, belts, etc. Various styles of adda work are used skilfully by artisans for creating breathtakingly beautiful accessories. In this Session, we will study about the use of adda work for making beautiful accessories.

1. HEADGEARS

Pagri/pag, saafa, caps, topis have always been an important part of traditional Indian attire. Such headgears have been used along with traditional Indian wear. They form an important part of ceremonial as well as daily wear too. From muslin, cotton, silk and wool, variety of materials have been used for most ornamental and intricately decorated headgears. Later on, jewels were also added to embellish it. In olden times, headgears were an important part of royal costumes and were richly decorated with adda work. Even today, popular national and international designers use adda work for decorating different styles of headgears.

In India, sehras (headgear worn by the groom in weddings) are also richly adorned with adda work. Readymade sehras embroidered with intricate adda workcan be purchased easily from popular Indian ethnic brands.



Fig. 3.1 Pagdi (Indian headgear)

2. BELTS/WAISTBANDS

Waistbands or belts are a trendy way of accessorising a garment. Belts can be simple and devoid of any ornamentation such as belts for office wear, or they can be richly decorated with metal threads, pearls, stones, etc., to compliment the dress, especially for festive and party wear.

In ancient times, jewelled kamarband was a part of traditional Indian attires. Earlier these were made with gold, silver and precious stones, but with changing times and rising costs, embroidery has replaced the use of precious metals and stones. Designers use adda work and its various styles to create beautiful, jewelled belts and kamarbands.



Fig. 3.2 Adda work belt

3. PURSES, HANDBAGS AND POTLI BAGS

Purses, handbags, potli bags, sling bags and clutches are also richly decorated with adda work. These fancy purses, handbags and clutches look interesting and can be used to carry cosmetics, handkerchief, mobiles, etc. Sling bags are bags with one long strap that can be worn on one shoulder or across the chest. They don't look bulky as office bags and bag packs. Traditional potli bags and batuas decorated with zardozi, beadwork and dabka are in great demand. In olden times, these were especially made in royal karkhanas for members of the royal family and courtiers, but nowadays we can easily buy these from a local market and designer workshop. They specially compliment Indian party wear dresses. These bags are used as gift items and even exported to other countries. Bags and purses with rich, intricate adda workare expensive than the ones with little embroidery.



Fig. 3.3 Handbag



Fig. 3.4 Potli bag



Fig. 3.5 Sling bag



Fig 3.6: Clutch

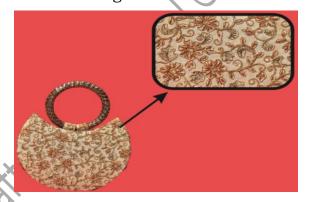


Fig. 3.7 Purse with handle

4. FOOTWEAR/JUTEES/MOJARIS:

Another popular accessory decorated with adda work is traditional jutee or mojari. These formed an important part of royal costumes. Apart from dresses, the art of embroidery was also perfected on jutees and mojaris. In olden times, these were richly decorated with gold and silver wires but now a days these jutees are mostly decorated with different types of beads and mirror work.. Mostly zardozi, tilla and dabka work are used for ornamenting traditional footwear. Embroidered jutees are quite popular as they are quite comfortable and add elegance to the outfit. The jutees for wedding and ceremonial purposes are also made by adda work and they look very rich as compared to daily use footwear.



Fig. 3.8 Jutees



3.9 One-toe footwear

5. MOBILE COVERS

Fashion accessories are created in accordance with the lifestyle and demand of customers and society. Designer and decorative mobile covers help add an extra touch of glamour with party dresses and formal attires. Nowadays adda work styles along with stones, pearls and various decorative materials are being used for designing mobile covers.



Fig. 3.10 Mobile cover

6. LACES

However, laces, borders, buttons and brooches are majorly not considered as the accessories but many times they provide functionality and used to decorate the garments. Hence these are discussed in this session.

Gota patti, bead work, stone work and zardozi laces are a convenient way of adding beauty and elegance to one's dresses. They are quite easily available in local markets. These come in different shades, patterns and widths and always enhance the look of a garment.



Fig. 3.11 Lace

7. BORDERS

Borders of sarees, dupattas, stoles, skirts and gowns when embroidered with metallic and silk threads along with pearls, sequins and stones, add dazzle and beauty to garments. To beautify the garments, adda work is done on borders specially in sarees, dupattas and Ghagras. Designers specially use adda workborders in traditional garments and dresses for giving extra bling and shine to the garments.



Fig. 3.12 Border

8. BROOCHES AND BUTTONS

A brooch is used to tuck sarees, dupattas and stoles and keep them in place. These can be made beautifully using various adda work styles. In addition to brooches, buttons may also be used as functional as well as decorative trims. Gota patti, beadwork and zardozi are used to create beautiful buttons, which can be used on kurtas, jackets, coats, blouses, etc. These are great for festive attires and trousseau.



(Fig 3.13 a,b: Button and brooch)

9. HOME ACCESSORIES

A. KETTLE COVER AND COASTERS

A kettle cover is used to cover a kettle and coasters are used for covering glasses and cups filled with water, tea, juice, etc. Coasters are also used on furniture surfaces for keeping glasses, cups, etc., so that these surfaces can be protected from tea and coffee stains, etc. Many home-made and popular handicraft brands use zardozi, gota patti, dabka work etc. to design and embellish kettle covers and coasters. These are especially in demand during festive season and as gift items.



Fig 3.14: Coasters

B. CUSHION COVER

They not only add beauty to the décor but also provide comfort. Cushion covers in various sizes and shapes can be decorated with painting, printing, embroidery, frills, etc. Adda work like gota patti, zardozi, mukaish, zari work, tilla work have been used to decorate cushion covers since a long time. They were used in royal courts and palaces. Some of these are now kept in museums across the world for everyone to witness the grandeur and elegance of the royal courts.



Fig. 3.15 Cushion cover

C. WALL DECORATIONS and HANGINGS

Many popular adda works were initially used for decorating tents, wall panels and wall hangings. Mughal emperors promoted extensive use of zardozi) for wall hangings, wall panels, tents, etc. There were specialized royal workshops called karkhanas for manufacturing all these articles. These were generally made using zardozi, bead work, ribbon worki, etc., on richfabrics such as velvet, satin and silk.

Even today, wall hangings and decorative frames made with a combination of zardozi, tilla work, danka work and other adda work are in great demand.



Fig. 3.16: Wall Hanging

D. CURTAINS

Sheer and silk curtains embellished with adda work find popularity in the domestic as well as overseas market. Curtains of different fabrics are decorated with various designs and styles of adda work.



Fig. 3.17: Curtains

Activities

ACTIVITY 1: Prepare a design catalogue or collection of various accessories designed using various adda work. (as given in the session above)

Material Required

- 1. Pictures of various adda work accessories
- 2. Practical file
- 3. Glue
- 4. Markers and coloured pens
- 5. Scissors

Procedure

- 1. Collect photos of various accessories decorated with adda work.
- 2. Cut the pictures neatly.
- 3. Attach the pictures in practical file.
- 4. Label them neatly and correctly.

ACTIVITY 2: Decorate a curtain with adda work of your choice.

Material Required

- 1. Fabric for curtain(calculate as per requirement)
- 2. Adda
- 3. Aari needles and/or hand embroidery needles

- 4. Metallic threads, coloured embroidery threads, stones, beads etc. as per requirement.
- 5. Scissors

Procedure

- 1. Trace the outline of the curtain fabric along with margins/seam allowance. (After adda work, seam allowance would be used for edge finishing).
- 2. Now fix the fabric on the adda frame.
- 3. Trace the design.
- 4. Complete the embroidery.
- 5. Check and finish it neatly.
- 6. Now take the fabric out from the frame. Cut and stitch the curtain fabric, or finish the edges.

Check Your Progress

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А.	Fill	ın	tne	DIA	nks

1.	Many popular were initially used for decorating
	tents, wall panels and wall hangings.
2.	are used specially with sarees, dupattas and stoles to keep
	them neatly tucked in a place.
3.	are examples of embroidered traditional headgears.
4.	are bags with one long strap that can be worn on one
	shoulder or across the chest.
5.	Mughal emperors promoted extensive use offor wall hangings, wall panels, tents, etc.

B. Questions

- 1. What are accessories? List the accessories that can be embellished and designed using adda work.
- 2. Explain the use of adda work in designing home furnishing items.
- 3. Briefly describe utility items designed with adda work.
- 4. Briefly explain about traditional headgear and footwear of adda work.

Session 2: Garment Components of Adda Work

The different parts or sections of a garment are referred to as garment components. A garment is a collection of different garment components such as front, back, sleeves, collar, pocket, etc. These components are embroidered separately and then stitched together to give a complete garment.

Garment components such as collars, pockets, yokes are embroidered and sold in local markets too. These can be purchased and added to one's dress or garment at the time of stitching. In this way, the customer can be saved from the hassle of getting the embroidery done and can get a beautiful, embroidered garment with no extra efforts of embroidering. Manufacturing readymade garment components of adda work can be a good source of employment too.

1. COLLARS

A collar frames the neck and gives a formal and graceful look to the garment as well as the wearer. It can be embroidered to add extra glamour and beauty to the garment. Zardozi, mukaish and zariare some of the popular adda work styles used for beautifying collars.



Fig. 3.17 Adda work on collar

Collars of bandgala/jodhpuri, achkans, sherwanis, jackets, kurtas, blouses, dresses and gowns are embroidered to give a designer and trendy look. Adda work can be used to enhance the beauty of various types of collars and to give an attractive look and feel to the garment.

2. NECKLINES

Necklines adorned with zardozi, gota patti, and other works on adda can be seen in traditional Indian dresses like blouses, kurtas as well as in othergarments like gowns and jackets. Such embroidered necklines are an integral part of Indian festive and party wear.

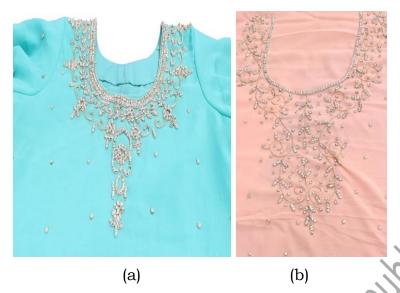


Fig. 3.18 (a, b) Adda work on necklines

3. PATCHES and YOKES

Nowadays readymade patches and yokes of zardozi, gota patti, bead work etc. are available in the market. This not only saves the customer's time but is a convenient option too. Yoke of addawork are very popular in kurta, gown and frocks. Yokes are usually decorated with dabka work, stone work, bead work etc. Patches of adda-work are available in different sizes and shapes which can be used to decorate the garments. These adda work patches can also be used to hide the defect of the garments. Yokes and patches are decorated with different styles and stitches of adda work depending upon the creativity of the designer.

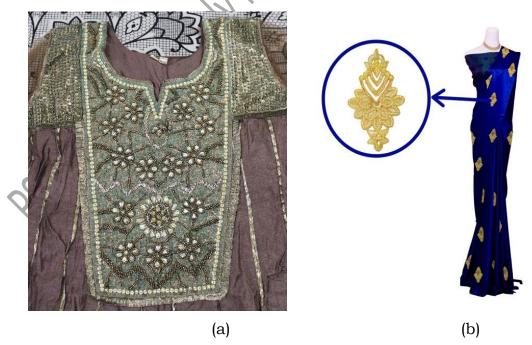


Fig. 3.19 (a, b) Adda work on yokes and patches

4. POCKETS

These are often embroidered with a designer logo ordifferent types of designs to decorate the pockets. In the olden times, pockets of royal costumes were adorned with the emblem of their empires using zardozi, bead work, dabka work, etc. Now-a-days, variety of designs are embroidered on pocket using adda work. Variety of adda-work is done on pockets with different design arrangements to beautify the garments specially traditional Indian garments.



Fig. 3.20 Adda work on pocket

5. PLACKETS

SCIFF Drail

A placket decorated with adda work such as zardozi, , dabka and tilla etc gives an interesting look to kurtas and dresses. It immediately draws attention towards the wearer.



Fig. 3.21 Adda work on placket

6. SLEEVES

Sleeves are an integral part of saree blouses, kurtas, gowns, etc. Sleeves embroidered with adda work such as zardozi, dabka, tilla, etc., are mainly attached with Indian traditional garments to beautify them. It is commonly

attached with blouse of silk sarees or lehengas. . Sleeves of some other garments like gowns, jackets, frocks etc., can also be embellished with adda work to make it beautiful and interesting.



Fig. 3.22 Adda work on sleeve

7. Cuff

It is an extended part of the sleeve which is at the bottom or lower edge of the sleeve. Cuffs are made by turning back (folding) the material or attaching a separate band of material. Different adda work styles and stitches are used to decorate the cuffs to make it more attractive. Variety of design arrangements for adda work can be done on the cuffs. Bead work, stone work, cutwork, dabka work are mainly used to decorate the cuffs.



Fig. 3.23 Adda work on cuff

Activities

ACTIVITY 1: Prepare a design catalogue or collection of various garment component samples using various adda work (as given in the session above)

Material Required

- 1. Pictures samples of various garment components decorated with adda work.
- 2. Practical file
- 3. Glue

- 4. Coloured pens
- 5. A pair of scissors

Procedure

- 1. Collect pictures samples of various garments components decorated with adda work.
- 2. Cut the pictures neatly/finish the samples of different garment components of adda work.
- 3. Attach the pictures samples in a practical file.
- 4. Label them neatly and correctly.

ACTIVITY 2: Prepare any one garment component using adda work of your choice (as given in the session above)

Material Required

- 1. Fabric (calculate as per requirement)
- 2. Adda
- 3. Aari needles/hand embroidery needles
- 4. Metallic threads/ coloured embroidery threads and other raw materials (as per requirement).
- 5. Practical file
- 6. Glue
- 7. Coloured pens
- 8. A pair of scissors

Procedure

- 1. Trace the outline of the selected garment component along with margins on the fabric. Now fix the fabric on the adda.
- 2. Trace the design.
- 3. Complete the embroidery. Check and finish it neatly.
- 4. Now take the fabric out from the adda.
- 5. Check cut and finish it.
- 6. Attach it in your practical file.
- 7. Label it neatly and correctly.

Check Your Progress

A. Fill in the blanks

1.	The different parts or sections of a garment are referred to as
2.	A garment is a collection of different garment components such as
	, etc,
3.	Aframes the neck and gives a formal and graceful look to the garment as well as the wearer.
4.	are made by turning back (folding) the material or garment by attaching a separate band of material.
5.	In the olden times of royal costumes were adorned with the of their empires using adda work.

B. Questions

- 1. What do you mean by garment components? List various garment components that can be embellished and designed using adda work.
- 2. State the advantages of decorating garment components with adda work.

Module 4 Application of Embroidery stitches

Module Overview

After learning the stitches and styles of adda work, the most important factor is to implement these on the design or on any garment area, like neckline, sleeve, border, etc. While embroidering a garment or any other item, a combination of stitches is used. This helps in creating an aesthetic and complete look. Sometimes even a single stitch is used but mostly a combination of stitches is worked out to have a finished appearance. This unit explains combination of different styles and stitches of adda work in such a way that a garment or end product would look pleasing and attractive. Traditional Indian embroidery, dyeing and printing can also be combined with adda work to create an aesthetically pleasing effect on the garment or any other product. While doing adda work, placement of design has its own importance to beautify the garment/end product. Placement of design is a way of arranging the design on the fabric to achieve an attractive and interesting overall look of the garment or end product. Various placement of design on fabric are also covered in this unit. In the garment industry, the specification sheet usually serves as a guide to implement the embroidery work on garment areas. Thus, a hand embroiderer must understand and interpret the specification sheet accurately to complete the embroidery work according to the requirement of the customer so details about specification sheet are also given in this unit.

Learning Outcomes

After completing this module, you will be able to:

- Explain Combination of Styles and stitches
- Explain Placement of Design
- Describe specification sheet

Module Structure

Session 1: Combination of Styles and Stitches

Session 2: Placement of Design

Session 3: Specification Sheet

Session 1: Combination of Styles and Stitches

The legacy of embroidery extends its roots in different parts of the world, especially in India as, it claims to be the original home of embroidery. The

beauty and vibrance of Indian embroidery was as much achieved by the quality of material used as from the embroiderer's skills. The ornamentation was done on all kinds of fabrics that could be pierced with a needle, such as leather, silk, wool, cotton linen etc.. Threads made ofmetal, , cotton, wool and synthetic material were used along with other decorative materials to provide brilliance with simplicity to the surface being decorated.

The beauty of patterns used in adda work depends mainly on the selection of design, raw-materials, colour combination of threads and suitable stitches. A smooth surface and tightly woven firm fabrics are more suitable foradda-work.

Apart from the raw material, different styles, stitches and work when selected carefully and in right combination, as a whole creates an interesting and pleasing effect of the adda work.

In case of hand embroidery we use a combination of stitches. There are different types of basic stitches like straight stitch, back stitch, feather stitch, knotted stitch, buttonhole stitch, couching stitch, etc. Each stitch has its own identity and style—while some stitches can be used to outline, others are used for filling. A combination of these stitches can be used to create many patterns for different types of garments and other products.

A number of stitches have evolved over the centuries to help the embroiderer achieve sophisticated results. Most of these are common to the work done in different parts of the world. However, variations of the basic stitches lend special regional characteristics to the embroidery work. These regional characteristic are influenced by factors such as type of ground fabric used, the thickness, colour and quality of the embroidery thread. They are also influenced by the aesthetics of the embroiderer and the design selected. These factors may be combined in such a way that a pleasing and interesting output should be created. It can be said that local people exclusively drive the style of their craft.

The styles and stitches of adda work are used in combination with each other and with other surface ornamentation techniques for achieving new and attractive results. Many traditional hand embroideries are combined with adda work to give it a very rich and pleasing look. Even some printed textiles are highlighted with adda work stitches, for example roller printed, tie-dyed or batik printed fabric can be highlighted using different adda work such as sequins or bead work,etc. It has become a popular trend among exporters and buyers to use combination of different surface ornamentation techniques with adda work and other hand embroideries to create a unique effect of fusion of various techniques.



Fig 4.1: Combination of different styles and stitches of adda work

In the above samples, one can see that different styles of adda work and stitches are combined in such a pleasing way that a combination of these gives a unique effect. In the above samples, chain stitch, satin stitch, stone work, sequins work, tilla work and zardozi work are used to complete a design which creates an overall pleasing and interesting look. A hand embroiderer can combine adda work styles and stitches creatively as per the design, base fabric and the requirement of the customer. It is noted that the different types of stitches like chain stitch, satin stitch, lazy-daisy, back stitch can be done by hand as well as on adda, hence these are used very frequently for embellishment of any kind of item or garments. Traditional hand embroidery of different states are also coming up with combination of adda work which gives very beautiful look to the garment, for e.g Chikankari with gota patti work.

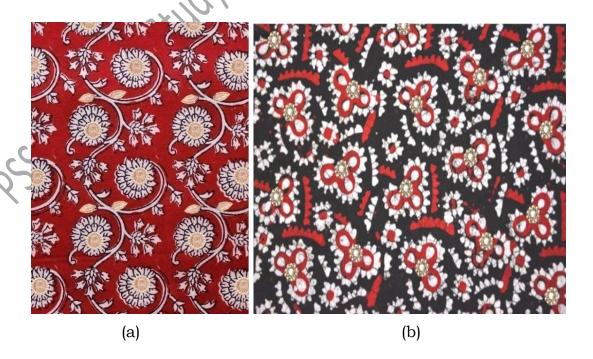






Fig 4.2: Combination of traditional embroidery and printing with adda work

THE IMPORTANCE OF SELECTING APPROPRIATE STITCHES AS PER THE MOTIF

Many motifs of embroidery have to be worked by using a combination of stitches, including outline stitches, filling stitches, etc., to create a finished and complete look. An aesthetic look of a garment requires this to be done in a proper manner and with a creative eye. Given below are some examples to show how a combination of stitches is worked out to create a final finished look of the embroidered motif to enhance the overall beauty of the garments on which embroidery is done.

It is important for an embroiderer to have the desirable knowledge of appropriate combination of stitches as per the motif style. This enables them to produce a balanced appearance in the addawork and create a garment for the satisfaction of the customer.

It is the designer's role to instruct their embroiderers on the appropriate use of stitches, like where to use filling and outline stitches as per the selected motif, use of beads, laces and stones, thread size and colour combination; where and what type of embroidery backing material is required for the fabric; reading and correctly interpreting buyer spec sheet (see Unit 4 Session 3) to finally create an aesthetic form in the addawork. Different stitches should be selected according to the suitability of the end product on which it would be applied. Suitability, durability, comfort of the end product should be considered along with the embellishment of the motif through various stitches of hand embroidery and adda work. For e.g it would not be suitable to use big beads or stones for a cushion cover.

The combination of adda-work styles and stitches should also be selected in a way that it should result in a balanced and pleasing look for e.g it is not suggested to use ribbon work with zari work and bead and stone work in children's garment.

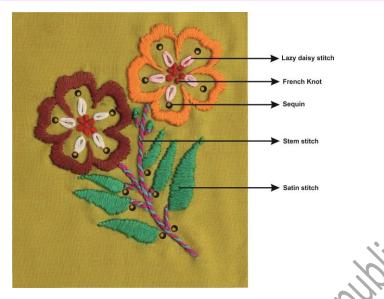


Fig. 4.3 Combination of stem and satin stitches with sequins

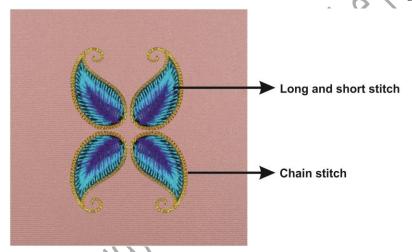


Fig. 4.4 Combination of long and short stitch and chain stitch

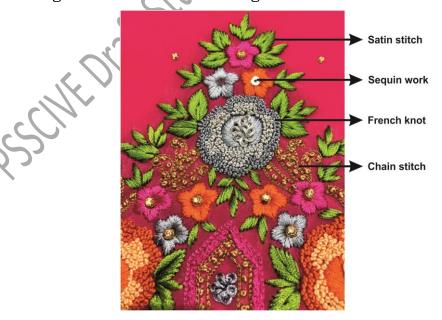


Fig. 4.5 Combination of chain stitch, satin stitch, sequin work and French knot

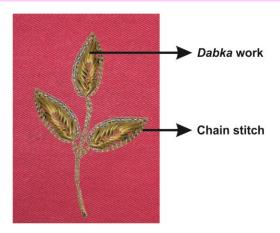


Fig. 4.6 Combination of chain stitch and dabka work

By looking at the above examples, we can understand that the embroiderer should possess the knowledge of using proper stitch and style combinations along with good colour combination and finishing in adda work..

Creating hand embroidery and adda work on different types of fabrics needs skill to select the accessories, threads, backing material, etc., to create a good quality design. Embroidery design should be selected based on the type of fabric used, type of threads and accessories to be used, and the method to stitch should be planned to avoid flaws after stitching. Some fabrics like crepe, chiffon, georgette, knitted, velvet, etc., sag while stitching. Hence, precautionary measures should be used to keep the fabric stable while making stitches.

Activities

ACTIVITY 1: Prepare a design catalogue of pictures depicting combination of different surface ornamentation techniques with adda work.

Material Required

- 1. Pencil
- 2. Eraser
- 3. Coloured pens
- 4. Practical file
- 5. Glue
- 6. A pair of scissors

Procedure

- 1. Collect pictures of combination of different surface ornamentation techniques with adda work.
- 2. Cut the pictures neatly.
- 3. Paste and prepare a design catalogue.

4. Label them.

ACTIVITY 2: Prepare at least 5 embroidered samples by using combination of different styles and stitches of adda work.

Material Required

- 1. Pencil
- 2. Eraser
- 3. Coloured pens
- 4. Tracing paper
- 5. Fabric sample
- 6. Embroidery needle/Aari
- 7. Threads
- 8. Raw material required according to styles and stitches
- 9. Embroidery frame/Adda
- 10. Practical file
- 11. Glue
- 12. A pair of scissors

Procedure

- 1. Choose the embroidery designs for combination of appropriate styles and stitches and discuss with your teacher.
- 2. Now trace these designs on to the fabric samples.
- 3. Embroider the motif using appropriate combination of styles and stitches to complete the motif. Follow the instructions as given in the session above.
- 4. Finish the samples.
- 5. Paste the samples in your practical file.
- 6. Label them.

Check Your Progress

A. Multiple Choice Questions

1. Identify the stitch

- a) Chain stitch
- b) Lazy-daisy
- c) Herringbone
- d) Couching



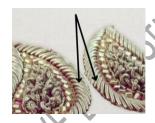
2. Identify the stitch

- a) Bullion Knot
- b) French Knot
- Material Onotto be published c) Lazy-daisy with sequin
- d) Back stitch



3. Identify the stitch

- a) French knot
- b) Fishbone stitch
- c) Long and short stitch
- d) Dabka work



B. Questions

- 1. Explain with example that why a combination of stitches is needed in an embroidery design.
 - 2. Explain why it is important for an embroiderer to have knowledge of appropriate combination of stitches as per the motif style. 3. Label different stitches in the given embroidery motif



Session 2: Placement of Design

Students are already aware of types of designs, tracing methods and different embroidery stitches as they have learnt in class IX the next step is setting or placing the embroidery designs on garments or different parts of a garment.

Placement of design is an innovative and creative way of arranging the design that form the overall look of the garment or end product. In all products of adda work, one can find that mostly there is a repeat of design i.e the designs are arranged horizontally or vertically in a repeated manner. There are various ways of placement of design on the fabric which are discussed in this session. For placement of design, we can apply the principles of designs like balance, proportion, rhythm, harmony and emphasis, which are discussed in detail in Unit I of this book. After placement, the best way to ensure correct placement is to put the garment on the person who has to wear it to see the actual position, centre and drape.

The placement of design is dependent on many variables as listed below:

- 1. Customer preference
- 2. Style, size, fabric, and base colour of the garment/end product
- 3. Shape, and purpose of the garment/end product
- 4. Creating an overall pleasant and satisfactory appearance
- 5. Shape and type of design.

Broadly speaking, placement of design on garments and various products can be done mainly in six different ways:

- Equidistant
- Half drop repeat
- Brick repeat
- Mirror repeat
 - Diamond repeat
 - Tossed/Random repeat

Equidistant - It is one of the simplest repeat or placement of design which is formed by placing the design in a basic grid repeat. It looks more elegant with simple floral and geometric motifs. It is considered to be one of the most common and simple form of repeats and is also known as block repeat, full drop or block surface repeat.

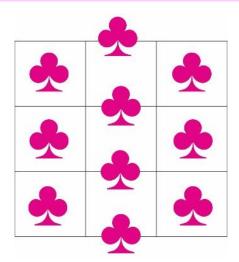


Fig 4.7: Equidistant

Half Drop Repeat

In Half-drop repeat, design is placed vertically in a column format which is then offset by half in the next row vertical to it. They allow the design to look less formal due to its vertical dropping position in the grid.

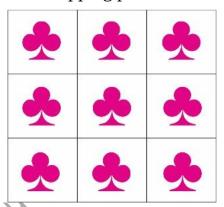


Fig 4.8: Half-drop repeat

Brick Repeat

This repeat is similar to the vertical half drop repeat. Here the design is placed in a horizontal column format instead of vertical column. The repeat unit is offset by half in the next horizontal row resembling a brick wall. This brick repeat also allows a design to look less formal.

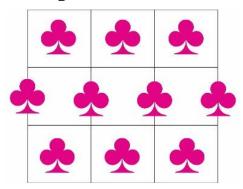


Fig 4.9: Brick repeat

Mirror Repeat

As the name itself depicts, in this type of repeat, the design is arranged in mirror image form. It provides an interesting look if done correctly. To create this repeat, the motif is duplicated horizontally and vertically to get an overall mirrored repeat on the surface or design.

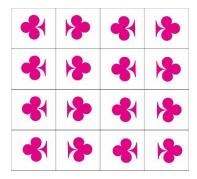


Fig 4.10: Mirror repeat

Diamond Repeat

The diamond repeat is a repeat of design in diamond shapes and is frequently used in embroidery work and textile design. It is created by repeating diamond shape in the grid format resulting in the design to be arranged in a diagonal row format.

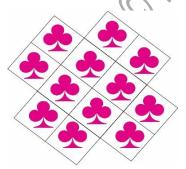


Fig 4.11: Diamond repeat

Tossed/ Random Repeat

A tossed/random repeat has scattered design in a repetitive form. The designs are scattered within the repeat unit in an irregular manner. The unstructured nature of a tossed repeat results in an organic or non-linear design. Even the size of the repeated motif in the design can be irregular.



Fig 4.12: Tossed/random repeat

The selection of repeat depends on the product which is to be designed and the requirement of the customer. But these repeats give an opportunity to experiment different variations in the placement of designs which helps in achieving a unique variety of hand embroidery or adda work designs. It is important to choose a right design or motif for a repeat as each repeat has its own grace and charm.

The selection of repeat will also depend on the product that is to be designed and what one is looking for in their end product. But these repeats give an opportunity to experiment different variations in the placement of motifs which helps in achieving a unique variety of surface design patterns.

Placement of an embroidery design can also be done according to different garment areas like a border arrangement, radial arrangement, neckline arrangement and all-over arrangement by enlarging and reducing the size of the design as per requirement. For example: here we have taken a design and its border arrangement, neckline arrangement, radial arrangement and all-over arrangement are shown.

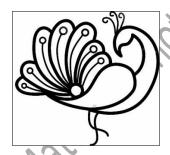


Fig. 4.13 Peacock design,



Fig. 4.14 Arrangement of design in border

The above design can be arranged in such a way that it can be placed on the border. These border arrangement can be seen on the hemline of the kurtas, sleeves, border of saree, lehenga, bedsheets, table cover etc.

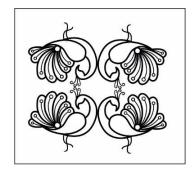


Fig. 415. Radial arrangement

The above design can be used on the front or back of the garment mostly on blouse/kurta or can be arranged on panels of kurta, bed cover, cushion covers, curtains, etc.

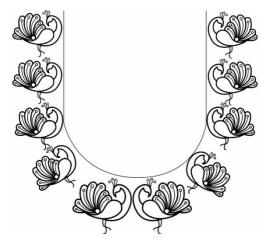


Fig. 4.16 Neckline arrangement

The design can be arranged on the neckline depending on the shape of the neck of garment (fig. 4.10).

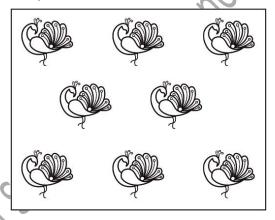


Fig. 4.17 All-over arrangement

The all-over arrangement of design can be used on the front and back of the garment according to the customer's requirement. The all-over arrangement can be seen on kurta, saree, curtains, cushion cover, bedsheet, pillow cover etc.

Thus, from the above example we can clearly understand and develop our own ways of design placement on various garment areas. Other than the above ways, we can also place the designs in unique arrangements as per the customer's requirement or designer's creativity.

Activities

ACTIVITY 1: Prepare 4 sheets of different design arrangements i.e. border, neckline, radial and all-over using a creative design.

Materials Required

- 1. A4 drawing sheets
- 2. Pencil/pen
- 3. Colours
- 5. Eraser

Procedure

- 1. Draw a creative design to form different arrangements.
- 2. Make 4 different arrangements of border, neckline, radial and all-over.
- 3. Label it.

ACTIVITY 2: Collect 10 pictures of garments showing different design placements. Paste it in your file.

Material Required

- 1. Pictures collected from various sources
- 2. Practical file3. Pencil
- 4. Eraser
- 5. Scissors
- 6. Ruler
- 7. Sharpener
- 8. Coloured pens
- 9. Glue

Procedure

- 1. Collect 10 pictures of garments showing different placement of design from different sources like magazines, internet etc
- 2. Cut and paste them neatly in practical file.
- 3. Label them.

Check Your Progress

A. Fill in the blanks	A.	Fill	in	the	bla	anks
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1.	is one of the simplest repeat or placement of design which
	is formed by placing the design in a basic grid repeat.
2.	In, design is placed vertically in a column format which is then offset by half in the next row vertical to it.
3.	A has scattered design in a repetitive form.

B. Questions

- 1. What do you mean by placement of design? Write its importance.
- 2. Explain the different types of design placements along with the diagrams.

Session 3: Specification Sheet

SPECIFICATION SHEET

Specification sheet, also known as "spec-sheet" is a very important document which contains the details of all mandatory elements and is required to manufacture any garment or any other stitched product. It consists of all the important data regarding its style, size, design placement, raw material used etc. Specification sheet is prepared by the designer if the buyer approves his designs or if the buyer sends his requirements for the design. Also, the buyer may send specification sheet to be followed for the development of the apparel or any stitched product of his designs. These specifications are to be followed for the production.

After the preparation and approval of the specification sheet, the first prototype sample is made to understand the construction, fit, desired look, embroidery and trims specified in the spec sheet. In essence, the specification Sheet is the "blueprint" for sample development and garment production.

The first step towards making a garment design is by analysing and interpreting the spec-sheet carefully and understanding the instructions. Specifications for any embroidered garment or product is also a part of specification sheet which contains all the details of embroidery motif, its placement, selection of stitches, colour combination, raw material and all other aspects of embroidery and its application. There is no fixed prescribed format of the specification sheet, it may vary according to the size and type of the organisation and their requirements.

A spec sheet along with the detailed information about the design, materials, measurements etc., contains a diagrammatic representation of the details required or used during production of a design or template. It mainly includes the following heads:

- Product sketch: The design of the end product is showcased using a flat sketch/technical sketch with details marked on it.
- Fabric details: Swatches of the fabric with color details or the fiber content is mentioned.
 - PoMs (Points of Measure): Size measurements of the required item, which assures the measurement of the final product. This is very important as it ensures the accurate execution of the garment during its production.
 - Design placement: Details of the design and its placement or repeat, design arrangement is defined for the exact placement on the actual sample.

- Embroidery placement: Information regarding the size of motif, its placement, type of stitches, tools and raw material for embroidery and colour combination of material used are also clearly mentioned.
- Workmanship Instructions: Particulars of stitch type, seam diagram, thread size and SPI (stitch per inch) are also mentioned.
- Garment washing instructions: Details of different washes for finishing on the garment are specified for products. Specific instructions for washing and finishing for embroidered product is also mentioned.
- Accessories details: Details of trims, fasteners etc. required with product codes are given.
- Label placement: Placement details are given for brand logo labels and care labels in the garment.
- Comment section: comment section provides notes of small details to be followed during construction and finishing.
- For embroidered products, embroidery specifications are a part of the design specification sheet. In the specification sheet, embroidery details include all the information which is required to execute the desired embroidery design on the product. This sheet is used as the base for standardising the embroidery designs on all the products. The adda work/embroidery details in the specification sheet generally includes: Type of embroidery thread
- The base fabric for adda-work
- Type of other materials (beads, sequins, stones, Katdana etc.)
- Placement of embroidery design on the fabric or product
- Size of embroidery design
- Colours of embroidery thread
- Placement of different beads, sequins, stone etc.
- Stitch density
- Estimated stitch length
- Type of stitches

The specification sheet is passed to the embroiderer who is responsible for doing adda work on the product. The embroiderer follows the specification sheet to embroider the product.

NOTE: The embroiderers who work on a small scale and produce products of their choice may or may not prepare or follow specification sheet. However, for mass production a rough unstructured specification sheet is made by the embroiderers for their reference. Example of a section of spec sheet giving details of embroidery:

Style No- 12345
Type of Base fabric - Cotton
Type of thread - Metalic (Gold), Cotton (Pink)
Type of material - Stone, sequine, katdana etc
Size of design - 10" x 10" repeat
Colour - As indicated, pink & gold
Stitch type - Chain, satin etc
Estimated stitch length - 1/2"
Stitch density - As indicated

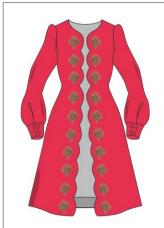




Fig. 4.18 Embroidery details of specification sheet

So, with the above example, it is very clear that an embroiderer should understand and use specification sheet properly to develop samples of adda work.

Activities

ACTIVITY 1: Visit a garment industry to collect specification sheet and discuss with respective officials regarding embroidery section of the spec sheet. Then prepare a sample of embroidery section of spec-sheet in your practical file.

Material Required

- 1. Pen
- 2. Practical file
- 3. Notepad

- 4. Coloured pencils
- 5. Eraser
- 6. Sharpener

Procedure

- 1. Visit a garment industry with the teacher/instructor of the institute.
- 2. Collect specification sheet from the industry.
- 3. Discuss embroidery section of the spec-sheet with the respective officials of the industry, teacher/instructor.
- **4.** Develop a sample of embroidery section of the spec-sheet in practical file.

Check Your Progress

A. Spot the listed words in the crossword below.

Spec-sheet, stitches, needle, fabric, thread, seam, sketch, buyers, apparel, print

				_				
S	Р	E	С	S	Н	E	E	T
Т	K	N	D	E	R	F	A	Н
I	Р	E	M	A	L	A	P	R
T	R	E	Т	M	С	В	P	E
6	Ι	D	Y	С	Р	R	A	A
Н	N	L	Т	S	Н	I	R	D
Е	Т	E	K	R	N	С	E	S
S	В	U	Y	E	R	S	L	J
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	T I T C H	T K I P T R C I H N E T	T K N I P E T R E C I D H N L E T E	T K N D I P E M T R E T C I D Y H N L T E T E K	T K N D E I P E M A T R E T M C I D Y C H N L T S E T E K R	T K N D E R I P E M A L T R E T M C C I D Y C P H N L T S H E T E K R N	T K N D E R F I P E M A L A T R E T M C B C I D Y C P R H N L T S H I E T E K R N C	T K N D E R F A I P E M A L A P T R E T M C B P C I D Y C P R A H N L T S H I R E T E K R N C E

B. Fill in the blanks

1.	Specification sheet, also known as	is a very important
	document which contains the details	of all mandatory elements and is
	required to manufacture any garmen	it or any other stitched product.

2.	A spec sheet along with the detailed information about	the design,
	materials, measurements etc., contains a	_representation
	of the details required	

3. Specification sheet is the_____for sample development and garment production.

C. Questions

- 1. Explain what is a specification sheet. Write down the contents it psculf prafictual Naterial Crotto be published includes.

Module 5

Finishing and Packing of Embroidered Products

Module Overview

Finishing is the final stage to which a garment or end product passes before it is packed and reaches the customers. Embroidered articles also require finishing before packing. While embroidering a product or a garment, certain defects and problems might arise which an embroiderer has to rectify before sending it for ironing and packing. Thus in short we can say that finishing is performed after completion of adda work/embroidery and before packing. Different garment manufacturing units have different quality check and finishing procedures. A lot of factors affect the inspection process like desired visual appearance, neatness of the work, quality of raw material used, workmanship, , etc.

The main objectives of quality check system are to maximize the production in the given time and resources. Care is also taken to achieve a satisfactory and good design as per market trends and demand. The embroidery unit of a garment industry also follows all these inspections and quality check processes. This is done at both stages i.e. when the product is in the processing stage and even after its completion. All these points are the major highlights of this unit, which the student will learn.

Finishing activities are performed prior packing the garments or end products. The major activities of a finishing department mainly include thread trimming, checking garments and ironing. After finishing the garment is packed and sent to stores or directly to the buyers. The folding, tagging and packing of garments are done in the packing section. Packing adds beauty and value to the product. This unit covers different aspects of fishing and packing of embroidered products.

Learning Outcomes

After completing this module, you will be able to:

- Explain finishing process of embroidered garments
- Describe packing process of a embroidered product

Module Structure

Session 1: Finishing of Embroidered Products

Session 2: Packing of Embroidered Products

Session 1: Finishing of Embroidered Products

Finishing is the final stage of an embroidery process and includes quality check, which is very important. It is a series of procedures which ensure an impeccable, beautiful and long-lasting product. The finishing of garments after completion of embroidery is very important in an embroidery unit and needs close attention. This should be done carefully before products or garments are sent for the next step of processing, which is packing. It helps raise the level of customer service. The garment should be checked for the following:

- 1. Missing stitches
- 2. Stray threads
- 3. Thread loops in the embroidery design
- 4. Uneven embroidery
- 5. Garment stains
- 6. Damages or any other defects
- 7. Button or accessories attaching
- 8. Washing
- 9. Ironing
- 10. Storing in the finished products store

Embroidery Finishing Methods

- 1. Removal of Hoop or /Adda marks: Hoops /adda may leave slight marks as the fabric is held under tension for a considerable time while embroidering or doing adda work. This hoop/adda mark can be removed by spraying solution/water and ironing itbut care has to be taken because the beads, stones and other material can come out of their place if not handled properly.
- 2. Inspecting and Correcting the Errors/Mending: Thorough final inspection of ready embroidered products is a must to ensure the quality standards. Errors in the embroidered fabric/garment, caused by thread break or missing stitch at the front or back must be eliminated by reembroidering the missing or faulty design parts. For fixing, the same yarn should be used as in the embroidery. Some of the following common embroidery defects can be rectified before packing.

- (i) **Gapping** It occurs when the fabric is visible through the embroidery design. These gaps can be filled by using the same type of stitch and threads.
- (ii) Missing Stitches- Sometimes stitches get skipped and the motif looks incomplete. These are called missing stitches and should be mended properly. The simplest way for this is to fill that area by using double strands in the same colour and stitch as that of the motif.
- (iii) Stray Threads- These are loose threads and fibres that often get trapped during the embroidery process or trail after completion of process. Trim off the threads as closely to the stitch as possible and stick them neatly with the help of an adhesive. Looking to the motif and fabric, it can be tied with the thread also. Take care not to cut the locked knots.
- **(iv)** Thread Loops- Sometimes loops may be observed in finished products as a result of loose stitches or faulty thread tension. These can be rectified by pulling the thread from the backside of the embroidery and sticking it with any permanent fabric adhesive. Looking to the fabric and motif, it can be tied with the thread also.
- **(v) Crooked Embroidery** When the finished embroidery appears slightly twisted, wrinkled or puckered, it should be steam ironed well from the back side of the embroidered area and stretched when hot. Repeat the process till all the twists or wrinkles disappear. The temperature of iron must be appropriate to the fabric and thread.
- **3. Removal of Backing:** Backing is placed on the underneath side of a fabric before it is embroidered. Removal of the backing is important before giving a product to the customer. Different types of backing can be used to finish the embroidered design. Their application and method of removal depends on the type of backing. Mainly three types of backing are used for finishing the embroidered products which are as follows:

Cut away backing may be a woven or non-woven material that must be cut from the fabric after the embroidery is completed. This type of backing is a great choice for knits or loosely woven materials. As the name suggests, this backing can be removed by cutting it away with scissors after the embroidery is completed. As per the requirement backing may be removed from the motif or may be cut from outside the design.

Tear away backing is a non-woven material which is very popular among embroiderers because of it's ease of removal. It is simply torn away from the garment after the embroidery is completed. In tear away backing also, it may be removed from the motif or may be cut from outside the design as per the requirement.

Water soluble backing is also available for the products that can be washed after completion of the embroidery. This type of backing dissolves completely and offers no support once the garment has been laundered.

- **4. Removal of Topping:** Certain fabrics like towelling, fleece, velvet, etc. have a tendency to absorb the embroidery stitches. The embroidery stitches tend to sink in the garment and as a result the embroidery doesn't look sharp and clear. So topping is placed over the fabric on the right side for embroidering these fabrics. But this topping needs to be removed before packing and sending the articles to the market. Toppings can be easily removed after the embroidery is complete by washing it (wash away toppings) or by ironing the article (heat-away toppings).
- **5. Washing and Stain Removal:** Often dust and oil stains find their way on to the articles during the embroidery process. Dust and dirt in the atmosphere, oil and other chemicals in the workplace, machine oil, etc., tend to stain the article. As a result, it loses its appeal and doesn't look new and attractive. These stains are removed by washing. Washing is not required always but if it is required ,should be done very carefully and gently. It is important to be mindful of the following:
 - (i) Embroidered garments should be laundered only with a mild detergent.
 - (ii) If necessary, a small amount of chlorine bleach can be used. Nonchlorine bleach is preferred if it is as per the product instructions.
 - (iii) Embroidered garments can be machine-washed with cold water.
 - (iv) Only a delicate wash cycle should be used for embroidered garments.
 - (v) If a colour deposit appears in water, it should be rinsed first in lukewarm water and then in cold water many times until the rinsed water becomes clear.
 - (vi) Remove the garment quickly after completing the wash cycle.
 - (vii) Embroidered pieces or clothing should not be left soaked in water or lying in a pile when wet.
 - (viii) Embroidered articles should not be wringed.
 - (ix) Stained embroidered garments or pieces should not be rubbed or brushed.
 - (x) Colour fastness of the fabric and threads should be checked before washing.

6. Ironing: It removes wrinkles and gives a smooth look to the embroidered article. Embroidered pieces should be turned to wrong side before ironing. Direct ironing on embroidery should be avoided as it may flatten the design or destroy the threads. For protecting the embroidery, it is advisable to place a thin cotton cloth between the iron and garments. Avoid the steam function, as it may cause fabric shrinkage and may damage embroidered motif and the fabric. Hang or fold it after ironing the garment and refrain contact with anything abrasive.

Ironing of the embroidered fabric should always be done according to the type of fabric. Natural fabrics include a range of fabrics such as cotton, jute, wool and silk. Ironing should be done accordingly. Cotton items are the simplest to iron because they can bear high ironing temperatures and steam. Care should be taken while ironing silk, synthetic and other delicate fabrics. Linen is unaffected by even higher temperatures than cotton, but gets ironing marks easily. Synthetic fabrics are readily damaged at a higher temperature. They tend to stick to the iron if it's too hot. So care should be taken to iron at an optimum temperature without damaging the embroidery and the articles. Mostly all the embroidered fabrics are ironed from the wrong side and adjustment of temperature should be done while ironing on different types of fabrics and the embroidered motifs.

7. Folding the Embroidered Article: A neatly folded garment gives a sense of proper finishing and neatness to the customers. Garments should be packed in neat folds before presenting to the customers.

During the finishing process, embroidered products are inspected for their appearance neatness, and a quality check is done. If any problems are noticed, they are rectified. Then finally the garment is ironed, and packed. The embroidered fabric is sent to other units for further processing like cutting and sewing, etc. to complete the work as specified by the buyer.

Activities

ACTIVITY 1: Prepare a collage of pictures depicting the finishing process in a garment.

Material Required

- 1. Chart sheet
- 2. Pen or pencil
- 3. Pictures of the finishing process
- 4. Glue
- 5. Scissors

Procedure

- 1. Collect pictures of the process involved in the finishing of a garment.
- 2. Cut them neatly.
- 3. Paste them on a sheet.
- 4. Prepare a collage.
- 5. Place the collage in the classroom or your practical lab.

Check Your Progress

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Д.	T. III		LIIC	Ula	шьэ

1.	Finishing activities are performed prior the garments or end products.
2.	is placed on the underneath side of a fabric before it is
	embroidered.
3.	Errors in the embroidered fabric/garment, caused byor
	at the front or back must be eliminated by re-embroidering
	the missing or faulty design parts.
1.	Sometimes loops may be observed in finished products as a result
	of

B. Questions to be started

- 1. Describe why finishing of the embroidered garment is needed.
- 2. Write about various finishing methods for embroidery garments and products.
- 3. Write in detail about washing and stain removal.

Session 2: Packing of Embroidered Product

PACKING

Packing involves folding, compressing and placing of garments for the purpose of protection in different sizes of bags, cartons and containers as per instructions or buyers requirement. It also involves storing the packed products in a warehouse or a store section of the industry for distribution. This is the final process in the production of garments, which prepares the finished merchandise for delivery to the customer. The main purpose of packing the garment is to allow the garment manufacturers to transport the garment without damaging the quality of the product.

It is done to protect the articles and products from dirt, dust, moisture, other stains etc., during transportation and storage. It also helps in appropriate handling of the product and adds beauty and value to the product. Many times, it is the packing instead of the actual product that attracts the customer in the first place. Thus, packing also helps in seeking customer attention.

Products and articles are poly packed according to dozen, colour, size ratio, then bundled and packed in cartons as per buyer's requirements. The cartons are printed with all the important information which can be seen from outside the carton conveniently. One needs to be very careful while packing the addawork garments and other products because these are very delicate and needs to be handled gently and carefully.

Benefits of Packing

- (i) Convenient storage and transportation of goods
- (ii) Safety from damage, , spoilage, etc.
- (iii) Makes the products more appealing and attractive to customers.
- (iv) Easy handling and identification of the product.
- (v) Helps in neat and proper display of products.

While packing the garments or any other textile product following precautions must be taken:

- i. Packing operation should be carried out in a clean surface.
- ii. Information on tags and labels should be cross-checked before attaching it to the garment while packing.
- iii. Tissue paper should be inserted between the location where adda work is done and fabric to prevent the adda work getting damage due to abrasion.

- iv. Puckered or loose thread coming out of fabric should be cut prior to packing the garment.
- Proper cushioning material should be used while packing to prevent v. the garment from damage during transportation.
- Packing material are checked for any stains or rust before attaching it vi. to the garment otherwise it could stain the product.

Material Onotito be published Commonly Used Material for Packing Garments:

- (i) Ball head pin
- (ii) Packing butterfly
- (iii) Carton
- Inner box (iv)
- Paper board (v)
- (vi) Plastic clip
- (vii) Plastic collar
- (viii) Polybag
- (ix)Scotch tape
- (\mathbf{x}) Tag pin
- (xi) Rope
- (xii) Tissue paper
- (xiii) Thin paper sheets
- (xiv) Hanger packs

Packing material may be used according to the product and requirement of the customer. All the packing material should be environment friendly. Packing department should use packing materials according to the requirement and norms for packing of different material.

Functions of Packing: Packing is the last stage of product manufacturing. A perfect packing is an important part for any product and helps to receive customer attention. Some essential functions of packing are as follows:

(i) Protection

The main function of packing usually involves protection of products from dust, dirt and other such agents. It helps to protect the goods from lossand damage. During transport, handling and storage operations, various types of protections are needed like physical and barrier protection.

(a) Physical:

Physical protection is needed from vibration, mechanical shock, electrostatic discharge compression, climatic conditions, temperature, etc.

(b) Barrier:

It is needed from humidity, precipitation and solar radiation, oxygen, water vapour, dust, etc. Some adda work products can become dull over time in terms of its shine and colour so it must be prevented from humidity and dust

(ii) Storage

Packing makes storage easy. It helps in easy stacking, shelving and grouping of the product. Packed products give a neat appearance and take less space and time for storage.

(iii) Loading and transport

During loading and transportation, the packed product may be lifted, moved, set down and stored in a warehouse manually or mechanically. To complete this process easily, efficiently and safely, suitable packing is done.

(iv) Promotional function

Aesthetic packing attracts customers' attention and creates a positive impact on the purchasing decision.

(v) Sales

Attractive packing helps to promote the sales process and make it more feasible.

(vi) Information transmission

Packing and labels give detailed information about product like how to use, ingredients, transport, nature, composition, weight, quantity, storage, recycle or dispose of the package or product.

Packing can be described as a coordinated system of preparing goods for transport, warehousing, logistics and sale. Packing is an important part of the product manufacturing process which is concerned with designing & producing of appropriate packing for a product. The garments are polypacked dozen-wise, color-wise, size-ratio-wise, bundled, and then packed in the carton after final inspection and folding. The carton is clearly labelled with crucial information in printed form that can be read from the outside.

Some common steps of packing are given which are used to pack any garment. These are the basic steps used for packing but sometimes according to the need of the product or requirement of the buyer, specific packing can be used.

Steps in Packing

Receiving of mended or finished apparel articles



Attaching necessary tags and labels



Folding as per apparel or product

(at this stage, tissues, back board, collar support, cuff support, etc., are inserted)



Packing the folded apparel and product in bags
Packing the bags in cartons (as per size, style, colour, etc.)



Packing the cartons with adhesive tapes



Putting bar codes on boxes/cartons



Completion of packing

Types of packing:

There are generally two types of packing of the embroidered garments:

1. Poly-bag packing

In this type of packing embroidered products are packed into a poly bag before placing them into cartons box to prevent any kind of damage to the delicate adda work products. Products may be packed individually or in group in a poly bag and its ratio will be specified by the buyer.

- **i. Single piece packing** In this type, a single product is packed into the polybag. It can be decided on the basis of delicacy of adda work or as per buyer's requirement.
- **ii. Blister Packing:** In this type of packing, two or more products are packed into a polybag on the basis of size and colour ratio. These poly bags are then placed into a carton box.

2. Packing without polybag

In this method, the products are just folded (if garment) and arranged in the carton boxes without placing them in the polybag. When it comes to pack multiple garments or other products of adda work into carton boxes, colour and sizes are considered as main criteria for differentiating packing method. Different ways of packing are as follows:

i. Solid Packing: In this method of packing, the carton box will include products of a single color and same size. For example, 20 adda work kurtas of a similar color (For ex: Red), similar design and the similar size say S will be put in one carton box.

ii. Assorted packing or Ratio packing:

a. Ratio Packing: This method is mainly used for garments. In this method, the carton box includes garments of the same color but of different sizes according to the ratio.

For example, S : M : L : XL = 5 : 7 : 7 : 5.

b. Mixed Packing: In this method the carton box can include garments of different colours but of same size or garments with different colors and also different sizes.

Many times as per the requirement of the customer or other aspects related to item, transportation, expenses, etc. following methods are used for

packing:

- 1. First garment is folded flat as per specific dimension and then packed into a polybag.
- 2. Garment is folded and directly packed into individual cardboard box instead of packing into poly bag.
- 3. Garments are not folded at all full garment is packed into a polybag with a hanger attached and then it is placed in the carton.
- 4. Garments are not folded and not packed into individual polybag. Instead these are directly packed into carton boxes. Later in retail shop, garments are placed in racks using hangers.

Activities

ACTIVITY 1: Visit an embroidery unit or garment industry to watch folding and packing process of embroidered products and prepare a report.

Materials Required

- 1. Notebook
- 2. Pen or pencil
- 3. Camera (if available)

Procedure

- 1. The teacher will arrange a visit to the industry.
- 2. Students will observe the finishing and packing process of the embroidered product and note the steps.
- 3. Click pictures if possible.
- 4. Prepare a report with pictures (if available)

Activity $\overline{2}$: Prepare a collage of tools and materials used in packing of garments. (Take help from internet if available).

Materials required:

- 1. Chart paper
- 2. Pencil/pen
- 3. Coloured pens
- 4. Glue

5. Scissors

Procedure:

- 1. Visit any garment industry or search on internet about different tools and materials used for packing of a garment.
- 2. Take printout of these tools and materials and cut it with the help of scissors.
- 3. Paste these pictures in the chart and label each tool and material.

Check Your Progress

A. Fill in the blanks

1	is the last stag	e of product	manufacturing.
---	------------------	--------------	----------------

- 2. Many a times it is the_____instead of the actual product that attracts the customer in the first place.
- 3. In type of packing, two or more products are packed into a polybag on the basis of size and colour ratio.
- 4. Inpacking, the carton box can include garments of different colours but of same size or garments with different colors and also different sizes.

B. Questions

- 1. Explain the packing of embroidered garments and products.
- 2. Write the steps of packing.
- 3. Describe the types of packing.
- 4. Explain the function of packing.

Design Plate



Picture – 1 Picture - 2



Picture - 3





Picture - 5



Picture - 6





Picture - 8



Picture - 9



Stone and Dabka work
Picture - 10



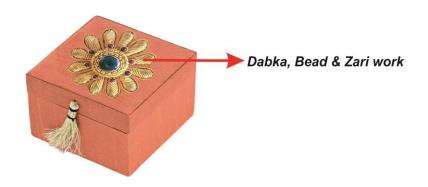
Picture 11



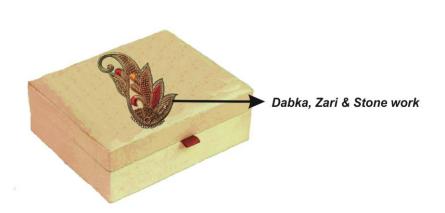
Picture - 12



Picture - 13



Picture - 14



Picture - 15



Picture - 18



Picture - 21

Jolished



Addawork - Safa, Sherwani, Stole & Juti



Picture - 23

philished



Picture - 24



Picture - 25

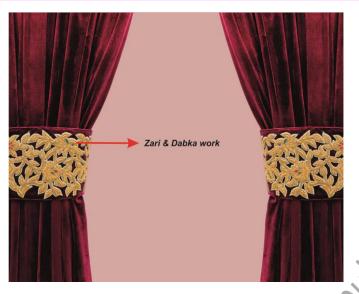




Picture - 29



Picture - 30



Picture - 31



Picture - 32



Picture - 33



Picture - 34

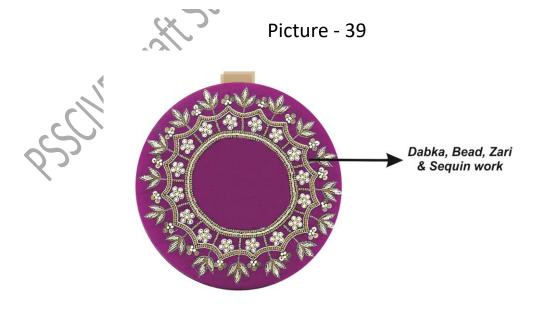


Picture - 35









Picture - 40

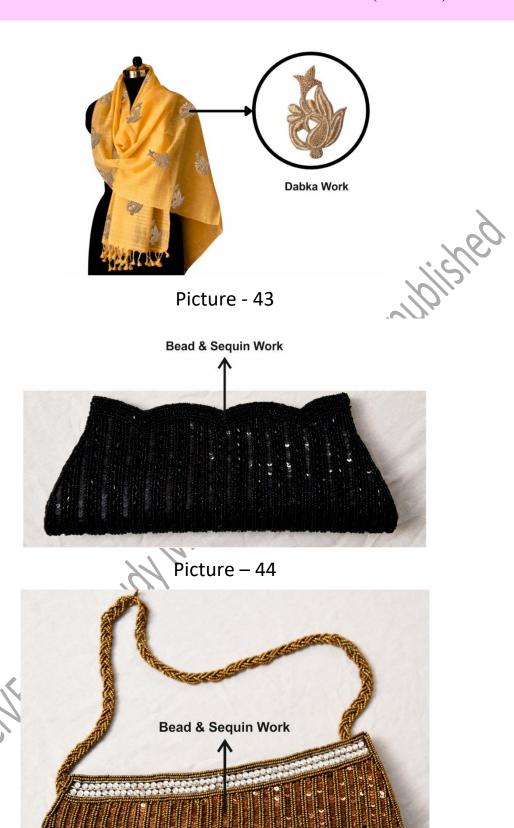


Joe pholished

Addawork Sherwani



Picture - 42



Picture - 45

ANSWER KEY

MODULE 1

Session 1

A. Multiple Choice Questions

- (b) Complementary
- (a) Hue
- (a) Secondary colours
- (b) Shape
- (a) Texture

Session 2

A. Fill in the blanks

- 1. Asymmetrical/Informal Balance
- 2. Proportion
- O Rotto be philished 3. Symmetrical, asymmetrical/Formal, informal
- 4. Rhythm
- 5. Harmony

B. Multiple Choice Questions

- 1. A
- 2.A
- 3.C

MODULE

Session 1

A. Fill in the blanks

- 1. Tilla Dozi
- 2. Udaipur
- 3. Gota
- 4. Danka

Session 2

A. Fill in the blanks

- 1. Long, short
- 2. Filling, edging
- 3. fansa or butt
- 4. french knots
- My Material Onotto be published 5. zardozi, mukke ka kaam and tilla work.

Session 3

A. Fill in the blanks

- 1. Paani filling
- 2. Zalakdozi, chain
- 3. Zalakdozi, mochibharat
- 4. Aaribharat or Mochibharat
- 5. Cutwork

MODULE 3

Session 1

A. Fill in the blanks

- 1. Adda work
- 2. Brooches
- 3. Pagri/pag, saafa, caps, topis
- 4. Sling bags
- 5. Zardozi

Session 2

A. Fill in the blanks

- **1.** Garment component
- 2. Garment front, Garment back, collar, placket, pockets
- 3.Collar)
- 4. Cuffs
- 5. Pockets, emblem

MODULE 4

Session 1

A. Multiple Choice Questions

- 1. a
- 2. c
- 3. d

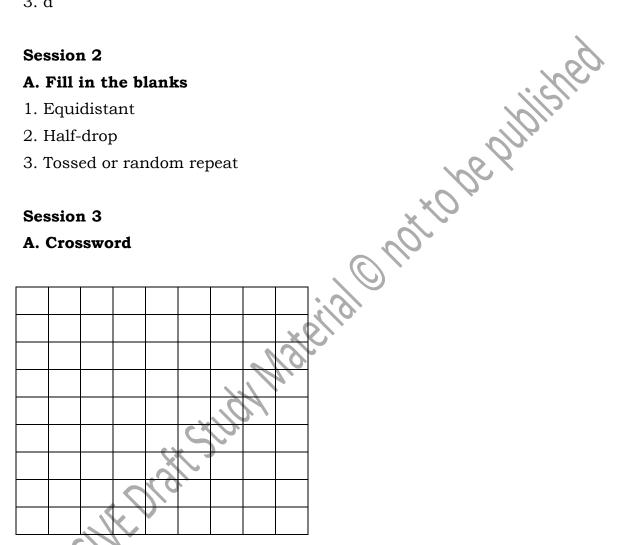
Session 2

A. Fill in the blanks

- 1. Equidistant
- 2. Half-drop
- 3. Tossed or random repeat

Session 3

A. Crossword



S	р	е	С	S	h	е	е	t	
t	k	<u>n</u>	d	е	r	f	а	h	
I	p	е	m	а	L	а	р	r	
t	r	е	t	m	С	b	р	е	
С	1	d	у	O	р	r	а	а	
h	n	L	t	S	b	1	r	d	
е	t	е	k	r	n	С	е	S	
s	b	u	У	е	r	S	L	j	

B. Fill in the blanks

- 1. Spec-sheet
- 2. Diagrammatic
- 3. Blueprint

MODULE 5

- PSCIIF Draft Study Material Cnot to be published

List of Credit

Graphics

Verma Prachi - Fig. 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 1.8, 1.9, 1.10, 1.11, 1.12, 1.13, 1.14, 1.15, 1.16, 1.17, 1.18, 1.19, 1.20, 1.21, 1.22, 1.23, 1.24, 1.25, 1.26, 1.27, 1.28, 1.29, 1.30, 1.31, 1.32, 1.33, 1.34, 1.35, 1.36, 1.37, 1.38, 1.39, 1.40, 1.41, 1.42, 4.7, 4.8, 4.9, 4.10, 4.11, 4.12, 4.13, 4.14, 4.15, 4.16, 4.17, 4.18

Photographs

Choubey Akshay – Fig. 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9, 2.10, 2.11, 2.12, 2.13, 2.14, 2.15, 2.16, 2.17, 2.18, 2.19, 2.20, 2.21, 2.22, 2.23, 2.24, 2.25, 2.26, 2.27, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 3.9, 3.10, 3.11, 3.12, 3.13, 3.14, 3.15, 3.16, 3.17, 3.18, 3.19, 3.20, 3.21, 3.22, 3.23, 4.1, 4.2, 4.3, 4.4, 4.5, 4.6