

### Syllabus for Assistant Hand Embroidery Technician

<b>Course Name</b>	<b>Assistant Hand Embroidery Technician</b>
<b>Sector</b>	APPAREL, MADE-Ups & HOME FURNISHING
<b>Course Code</b>	<b>APL/2023/HEDA/213</b>
<b>Level</b>	<b>3</b>
<b>Occupation</b>	<b>Assistant Hand Embroidery Technician</b>
<b>Job Description</b>	A Hand Embroidery and Designing Assistant supports the lead embroidery designer or artisan in creating hand-embroidered designs. This role involves preparing and organizing embroidery materials, selecting appropriate threads and fabrics, and assisting in the placement of embroidery patterns on various textiles. Additionally, the assistant may help with stitching and embellishing designs, ensuring precision and quality.
<b>Course Duration</b>	<b>Total Duration 390 Hrs (T-90, P-180, OJT-60 and ES-60)</b>
<b>Trainees' Entry Qualification</b>	Grade 10 OR Grade 8 with two year of (NTC/ NAC) after 8 <sup>th</sup> OR Grade 8 pass and pursuing continuous schooling in regular school with vocational subject OR 8th grade pass with 2 yrs relevant experience OR Previous relevant Qualification of NSQF Level 2 with one yr experience OR Previous relevant Qualification of NSQF Level 2.5 with 6 months experience
<b>Trainers Qualification</b>	ITI IN DRESS MAKING TRADE OR ITI IN SEWING TECHNOLOGY TRADE / H.S WITH DIPLOMA IN FASHION FIELD/ GRADUATE WITH CERTIFICATE COURSE ON HAND EMBROIDERY / B.TECH IN TEXTILE / B.TECH IN APPAREL 3 YEARS FOR H.S. WITH DIPLOMA / 4 YEARS FOR ITI EXPERIENCE IN RELEVANT FIELD/2 YEARS FOR GRADUATE / 2 YEARS FOR B.TECH

#### Structure of Course:

Module No.	Module Name	Outcome	Theory (Hrs)	Practical (Hrs)	Total (Hrs) [Multiple of 30]
1	<b>Introduction to Hand Embroidery</b>	Describe hand embroidery, including its historical significance, various embroidery styles and techniques and the tools and materials used	20	40	60
2	<b>Embroidery Materials stitch types and quality inspection</b>	Identify and select various embroidery materials, including fabrics, threads and their suitability for different embroidery products	20	40	60
3	<b>Selection of Fabric</b>	Select and prepare the fabric for hand embroidery	10	20	30
4	<b>Sample development</b>	Create a given embroidery sample design and carry out embroidery operation to reproduce the given design	20	40	60
5	<b>Quality control</b>	Identify the common defects in	10	20	30

		embroidery work, ensuring that the final products meet predetermined quality standards			
6	<b>Maintain Health and safety at the workplace</b>	Apply safe working practice	10	20	30
7	<b>OJT</b>	Work in real job situation with special emphasis on basic safety and hazards in this domain (OJT).	--	60	60
8	<b>Employability Skill</b>	As per guided curriculum	60	--	60
		TOTAL:	<b>150</b>	<b>240</b>	<b>390</b>

## SYLLABUS

### Module No 1: Introduction to Hand Embroidery

**Outcome:** Describe hand embroidery, including its historical significance, various embroidery styles and techniques and the tools and materials used

#### Theory content:

1. Historical significance
  - 1.1 Cultural significance
  - 1.2 Artistic expression
  - 1.3 Status symbol
  - 1.4 Functional embroidery
2. Basic Introduction to Hand Embroidery. Importance of embroidery as a surface decoration. Indian heritage of Embroidery
3. Identify various hand embroidery techniques done in India
  - 3.1 Crewel embroidery
  - 3.2 Cross-stitch
  - 3.3 Bead embroidery
4. Know about the Apparel Sector in India
5. Understand and follow roles and responsibilities of a Hand Embroiderer
6. Fundamentals tools and materials
  - 6.1 Needles
  - 6.2 Embroidery hoop or frame
  - 6.3 Thread
  - 6.4 Fabric
  - 6.5 Scissors
  - 6.6 Thimble
  - 6.7 Design or Motif

#### Practical content:

1. Demonstrate the artwork and follow the instructions and design specifications given for the embroidery to be done.
  - Analyze and interpret the given design which needs to be embroidered and type of embroidery that is required to be done

- Trace design on fabric /material to be embroidered
  - Select appropriate needle and thread for the type of embroidery to be carried out according to the texture and fiber material.
  - Identify color combination/usage of thread as per the given design
  - Handle the materials and tools safely and correctly
  - Use correct lifting and handling procedures
2. Carry out the following stitches –  
Running stitch, Back stitch, Stem stitch, Satin stitch, Kashmiri stitch  
Couching stitch, Cross stitch technique, Herringbone stitch, Different type of loop stitches,
  3. Different types of knotted stitches -
    - Check with in charge, when unsure of new product details
    - Minimize and dispose the waste materials in the approved manner
    - Carry out operations at a rate which maintains the flow
    - Respond appropriately if the embroidery do not meet product/design specification & take corrective action
    - Take action in the event of damaged tool/material

**Tools & Equipment needed:**

Training kit (trainer guide, presentations), Unique Equipment Required:

Charts, Models, Flip Chart, White-Board/Smart Board, Marker, Duster, students manual/notes, " Carpet for embroidery as per floor area students chairs, with table arms", Embroidery needle (Number may vary) "Samples Garments", Embroidery Thread Various Material, Punch Needles, Embroidery Frame (various sizes), Thimbles, Design templates, Masking Tape, Scales, Measuring Tape, Scissors Fabric Cutting And Paper Cutting, Thread Trimmer, Seam Ripper, First Aid Box. Dustbin, Fire Extinguisher, Drawing sheets, Drawing boards, Basic Stationary.

**Module No 2: Embroidery Materials stitch types and quality inspection**

**Outcome:** Identify and select various embroidery materials, including fabrics, threads and their suitability for different embroidery products

**Theory content:**

1. Identify roles and responsibilities of a hand embroiderer
2. Introduction to tools and materials for different types of embroidery.
  - a. Basic knowledge about base-fabrics (Cotton fabric, Linen fabric, Silk fabric, Canvas fabric, Aida cloth),
  - b. Threads for embroidery (Embroidery floss, Silk thread, Wool thread, Metallic thread, Pearl cotton, rayon thread) and accessories used in embroidery like trims, thread, and decorative items etc, types of needles.
3. Select materials for different embroidery products (Clothing accessories, Home décor items, Craft and hobby projects, Traditional embroidery)
4. Concept of the thickness (number of yarn) of embroidery thread and needle size.
  - Introduction to different categories of basic stitches of hand embroidery- their techniques and application
5. Quality inspection for embroidered products: defects and the procedure to check the materials required for embroidery with the given specification. Precautionary measures for

avoiding defects in embroidery and fabric preparation for washing techniques.

**Practical content:**

1. Identify and handle different types of embroidery fabrics (e.g., cotton, linen, silk).
2. Evaluate the texture, weight and thread count of fabrics for suitability in embroidery.
3. Practice fabric preparation techniques, such as ironing, to ensure a clean and stable surface.
4. Familiarizing oneself with various embroidery thread types (e.g., stranded cotton, metallic, silk) and Practice techniques for separating and handling multiple strands of embroidery floss.
5. Select thread colors and thickness based on design requirements.
6. Explore embellishments such as beads, sequins, and ribbons for decorative embroidery.
7. Identifying and using essential embroidery tools (e.g., embroidery hoops, needles, and scissors).
8. Practice proper tool maintenance and storage to prolong their lifespan.
9. Practice fundamental embroidery stitches (e.g., running stitch, backstitch, satin stitch).
10. Create stitch samplers to develop proficiency and consistency in stitch execution.
11. Practice with variations and combinations of basic stitches for creative effects.
12. Explore advanced embroidery stitches (e.g., bullion stitch, French knots, feather stitch).
13. Practice techniques for raised and textured embroidery.
14. Conduct quality inspections of completed embroidery work, checking for uniformity, tension, and neatness.
15. Identify and addressing common defects or errors in embroidery projects.
16. Practice finishing techniques, such as framing, mounting, or embellishing, to present the final embroidered pieces professionally.

**Tools & Equipment needed:**

Training kit (trainer guide, presentations), Unique Equipment Required:

Tracing Paper, Ink or tracing material, Carbon Paper, Kerosene, Cotton Swabs /Dabber/roll, Glue, Basic Stationary, Tracing Wheel, Tailor's Chalk, Pins& Safety Pins & Dress Maker's Pins, Pin Cushion, Backing Paper/ fusing, Punch Needles. Basic Stationary.

**Module No 3: Selection of Fabric**

**Outcome:** Select and prepare the fabric for hand embroidery

**Theory content**

1. Explain the various types of fabrics commonly used in hand embroidery, including cotton, linen, silk, and blends.
2. Consideration of factors such as fabric weight, thread count (weave), and texture when selecting fabric for specific embroidery projects.
3. Recognize the suitability of different fabrics for specific embroidery techniques and styles.
4. Prepare the fabric by washing it to remove sizing, dirt, and any potential shrinkage.
5. Properly iron the fabric to eliminate wrinkles and create a smooth, flat surface for stitching.
6. The importance of using a lint-free, clean, and well-pressed fabric to prevent lint from interfering with the embroidery process.
7. Understanding the concept of fabric stabilization and its role in preventing distortion during embroidery.
8. Methods of stabilizing the fabric, such as using embroidery hoops or frames to keep the fabric taut and even.
9. How the choice of stabilizing method depends on the fabric type and the size and complexity of the embroidery design.
10. Educating embroiderers about the proper care and maintenance of embroidered fabrics to ensure their longevity.

11. Recommendations for storing finished embroidery work, including protecting it from dust, moisture and direct sunlight.
12. Guidelines for washing and cleaning embroidered fabrics, also emphasizing gentle handling.

**Practical content:**

1. Identify various fabric types used in embroidery
2. Compare fabrics of different weights and textures
3. Identify thread counts and understand their impact on embroidery
4. Provide embroidery designs of varying complexity
5. Stitch sample designs on different fabrics to observe how they behave with various stitches
6. Wash the fabric to remove sizing and prepare it for embroidery
7. Demonstrate proper ironing techniques to ensure a smooth, wrinkle free fabric surface
8. Use embroidery hoops or frames to stabilize fabric
9. Store finished embroidery work to protect it from dust, moisture and sunlight

**Tools & Equipment needed:**

Training kit (trainer guide, presentations), Unique Equipment Required:

Hand Embroidery Motives Book, Pick Glass, Iron and iron table, Embroidery Thread Various Material, Various fabric Roll (as per required) and Storage Almira/ drawers for storage cabinet.

**Module No 4: Sample development**

**Outcome:** Create given embroidery sample design and carry out embroidery operation to reproduce the given design

**Theory content:**

1. Create and reproduce embroidery designs are a fundamental skill in hand embroidery.
2. The process involves designing an embroidery pattern, transferring it to fabric, selecting appropriate threads, and executing the stitches to reproduce the design accurately.
  - Understanding the principles & elements of an embroidery design, including motifs, patterns and borders. Types of lines -Straight, curved, dotted, zigzag, etc.
3. Choosing design elements that suit the fabric, purpose, and style of the embroidery project.
4. Creating a design sketch or pattern on paper, considering scale and proportion.
5. Methods of transferring the design onto fabric, including:
  - Tracing the design using a water-soluble pen or carbon paper.
  - Using Tracing Wheel to transfer the design onto the fabric.
  - Explain the methods to make holes in the khakha using pins and check the tracing lines on the khakha.
6. Freehand drawing directly onto the fabric using a washable marker.
7. Factors influencing thread selection, such as fabric type, design complexity and color choices.
8. Understanding different types of embroidery threads (e.g., stranded cotton, silk, metallic) and their characteristics.
9. Creating a thread color palette that complements the design and fabric.
10. Setting up the embroidery workspace with proper lighting, seating and equipment.
11. Choosing and threading the appropriate embroidery needle.
12. Executing stitches to reproduce the design, paying attention to stitch direction, tension and consistency.
13. Conducting quality inspections throughout the embroidery process to identify and correct errors or inconsistencies.

14. Troubleshooting common embroidery issues, such as hand needle thread tension and fabric puckering.
15. Implementing corrective measures to ensure the final embroidery is of high quality.
16. Final steps in the embroidery process, including securing thread ends and removing any trace marks.
17. Preparing the finished embroidery piece for presentation, which may involve framing, mounting, or other finishing techniques.
18. Showcasing the completed embroidery project with attention to detail and craftsmanship.

**Practical content:**

1. Demonstrate of the Design sample of the embroidered product
2. Select of the correct component parts/fabric / material/ tool for embroidery
3. Trace the embroidery design accurately & neatly on the fabric
4. Make satin, chain, buttonhole stitches and different types of edges(hem stitch, scallops, lace & rolled hem)
5. Make long and short, shade work, satin and French knot stitches
6. Carry out Applique work as per design details
7. Use and combine different hand embroidery techniques to develop creative and decorative designs
8. Ensure the embroidered design conform to the artwork specifications
9. Inspect embroidered product against specifications
10. Perform all embroidery functions with accuracy and precision and conform to the company quality standards.
11. Understand common factors affecting stitching and embroidery
12. Identify problems and hazards encountered when working on different types of materials, and the procedures for dealing with them.

**Tools & Equipment needed:**

Training kit (trainer guide, presentations), Unique Equipment Required:

Charts, Models, Flip Chart, White-Board/Smart Board, Marker, Duster, students manual/notes, " Carpet for embroidery as per floor area, Embroidery needle (Number may vary) "Samples Garments", Embroidery Thread of Various composition, Count And Ply (assortment), Novelty, Fancy Yarns, Metallic yarns (assortment) Embroidery Frame (various sizes), Surface Embellishments and stickers tickets (assortment, as per req) Thimbles, Design templates, Tracing Paper, Carbon Paper, Kerosene, Scales, Measuring Tape, Masking Tape, Bent Neck needle/aari needle, Scissors Fabric Cutting And Paper Cutting, Thread Trimmer, Seam Ripper, Dustbin, Dress Form (size medium, preferably woman), Drawing Sheet, Sketching equipment of different medium, Drawing boards.

**Module No 5: Quality control**

**Outcome:** Identify the common defects in embroidery work, ensuring that the final products meet predetermined quality standards

**Theory content:**

1. Explain the loose and tight thread tension.
2. Identify thread tension-related defects, such as loose loops or puckering.
3. Explain the Causes and solutions for thread tension problems.
4. Describe the causes of thread breaks during hand embroidery.
5. Explain the Techniques for preventing and addressing thread breaks.
6. Explain the causes uneven stitches, resulting in irregular texture.
7. Recognize the defects like uneven lines, inconsistent patterns, or irregular outlines.
8. Describe the strategies for achieving even and consistent stitching.
9. Explain the misalignment and skewing issues in embroidery.

10. Identify the defects where elements of the design are not properly aligned.
11. Explain the causes of color bleeding and migration in embroidery threads.
12. Recognize defects such as color smudging or bleeding onto adjacent areas.
13. Identify the defects like wrinkles, puckers, or fabric stretching.
14. Identify the methods for preventing and rectifying fabric-related issues.
15. Establish a quality control checklist for embroidered pieces.
16. Conduct regular inspections at various stages of the embroidery process.

**Practical content:**

1. Identify and use materials based on the specifications
2. Take necessary actions when the material does not conform to the quality standards by identifying different types of defects, techniques to detect them. The techniques are: carrying out quality checks at the specified intervals according to the instructions finding materials and components for creased, stained, damaged and incorrectly made up components parts
3. Marking / segregating/ replacing rejects or components part that do not match the specification, in the designated locations
4. Identify the modifiable defects and work on them
5. Explain the consequences of using incorrect tools for hand embroidery
6. Carry out work safely and at a rate which maintains workflow
7. Test sort, track feed and examine the work in progress
8. Report about the faults to the appropriate person
9. Apply the allowed tolerances
10. Make adjustments promptly to ensure the embroidery work matches then specifications
11. Maintain the required productivity and quality levels.
12. Complete and maintain documents

**Tools & Equipment needed:**

Training kit (trainer guide, presentations), Unique Equipment Required:

Charts, Models, Flip Chart, White-Board/Smart Board, Marker, Duster, students manual/notes, Test Kit, Embroidery needle (Number may vary) "Samples Garments", Embroidery Thread of Various composition, Count And Ply (assortment), Embroidery Frame(various sizes),Thimbles, Design templates, Tracing Paper, Carbon Paper, Kerosene, Scales, Measuring Tape, Scissors Fabric Cutting And Paper Cutting, Thread Trimmer, Seam Ripper, Dustbin, Dress Form (size medium, preferably woman)

**Module No 6: Maintain Health and safety at the workplace**

**Outcome:** Apply safe working practice

**Theory Content:**

1. Introduction to maintain a clean & efficient workplace.
2. Render appropriate emergency procedures.
3. Practice first aid and general safety/ recommended safe practices.
4. Undertake basic safety checks before operation of all tools& machinery and report all potential hazard to the supervisor.
5. Identification and Use of all protective clothing and safety
6. Following the instructions as told while using the tools and equipment's.
7. Read and understand the hazardous use and contamination mentioned

**Practical Content:**

1. Check various areas of the workplace & clean.
2. Practice first aid and general safety/ recommended safe practices.
3. Demonstrate the basic safety checks before operation of all tools& machinery.
4. Demonstrate the use of emergency protective clothing and safety tools. while executing work.
5. Read and demonstrate the hazardous use and contamination mentioned on the labels of pesticides/ fumigants etc

**Tools & Equipment needed:**

Training kit (trainer guide, presentations), Unique Equipment Required:

Charts, Models, Flip Chart, White-Board/Smart Board, Marker, Duster, Thimbles, Masking Tape, Scales, Measuring Tape, Thread Trimmer, First Aid Box. Dustbin, Fire Extinguisher, Basic Stationary.

**Module No.- 7: OJT**

**Outcome:** Work in real job situation with special emphasis on basic safety and hazards in this domain

**Practical Content:**

Assessor will check report prepared for this component of Practical training of the course and assess whether competency has been developed to work in the real job situation with special emphasis on basic safety and hazards in this domain. (The trainee is expected to undertake work in actual workplace under any supervisor / contractor for **60 Hours.**)

**Module No - 8: Employability Skills (60 Hrs)****Key Learning Outcomes****Introduction to Employability Skills**

Duration: 1.5 Hours

After completing this programme, participants will be able to:

1. Discuss the Employability Skills required for jobs in various industries
2. List different learning and employability related GOI and private portals and their usage

**Constitutional values - Citizenship**

Duration: 1.5 Hours

3. Explain the constitutional values, including civic rights and duties, citizenship, responsibility towards society and personal values and ethics such as honesty, integrity, caring and respecting others that are required to become a responsible citizen
4. Show how to practice different environmentally sustainable practices.

**Becoming a Professional in the 21st Century**

Duration: 2.5 Hours

5. Discuss importance of relevant 21st century skills.
6. Exhibit 21st century skills like Self-Awareness, Behavior Skills, time management, critical and adaptive thinking, problem-solving, creative thinking, social and cultural awareness, emotional awareness, learning to learn etc. in personal or professional life.
7. Describe the benefits of continuous learning.



**Basic English Skills**

Duration: 10 Hours

8. Show how to use basic English sentences for everyday conversation in different contexts, in person and over the telephone
9. Read and interpret text written in basic English
10. Write a short note/paragraph / letter/e -mail using basic English

**Career Development & Goal Setting**

Duration: 2 Hours

11. Create a career development plan with well-defined short- and long-term goals

**Communication Skills**

Duration: 5

Hours

12. Demonstrate how to communicate effectively using verbal and nonverbal communication etiquette.
13. Explain the importance of active listening for effective communication
14. Discuss the significance of working collaboratively with others in a team

**Diversity & Inclusion**

Duration: 2.5 Hours

15. Demonstrate how to behave, communicate, and conduct oneself appropriately with all genders and PwD
16. Discuss the significance of escalating sexual harassment issues as per POSH act.

**Financial and Legal Literacy**

Duration:5

Hours

17. Outline the importance of selecting the right financial institution, product, and service
18. Demonstrate how to carry out offline and online financial transactions, safely and securely
19. List the common components of salary and compute income, expenditure, taxes, investments etc.
20. Discuss the legal rights, laws, and aids

**Essential Digital Skills**

Duration: 10 Hours

21. Describe the role of digital technology in today's life
22. Demonstrate how to operate digital devices and use the associated applications and features, safely and securely
23. Discuss the significance of displaying responsible online behavior while browsing, using various social media platforms, e-mails, etc., safely and securely
24. Create sample word documents, excel sheets and presentations using basic features
25. utilize virtual collaboration tools to work effectively

**Entrepreneurship**

Duration: 7

Hours

26. Explain the types of entrepreneurship and enterprises
27. Discuss how to identify opportunities for potential business, sources of funding and associated financial and legal risks with its mitigation plan
28. Describe the 4Ps of Marketing-Product, Price, Place and Promotion and apply them as per requirement

29. Create a sample business plan, for the selected business opportunity

### Customer Service

Duration: 5

Hours

30. Describe the significance of analyzing different types and needs of customers
31. Explain the significance of identifying customer needs and responding to them in a professional manner.
32. Discuss the significance of maintaining hygiene and dressing appropriately

### Getting Ready for apprenticeship & Jobs

Duration: 8

Hours

33. Create a professional Curriculum Vitae (CV)
34. Use various offline and online job search sources such as employment exchanges, recruitment agencies, and job portals respectively
35. Discuss the significance of maintaining hygiene and confidence during an interview
36. Perform a mock interview
37. List the steps for searching and registering for apprenticeship opportunities

### Learning Outcome–Assessment Criteria

Module No.	Learning Outcome	Assessment Criteria
1	Describe hand embroidery, including its historical significance, various embroidery styles and techniques and the tools and materials used	<p><b>After completion of this module students will be able to:</b></p> <ol style="list-style-type: none"> <li>1.1 Describe the historical origins of hand embroidery, tracing it back to its earliest known practices</li> <li>1.2 Identify and describe major embroidery styles from different regions and cultures.</li> <li>1.3 Explain fundamental embroidery techniques.</li> <li>1.4 Demonstrate the artwork</li> <li>1.5 Analyze the given design</li> <li>1.6 Trace the design</li> <li>1.7 List and describe the essential tools used in hand embroidery.</li> <li>1.8 Select the appropriate needle and thread for the types of embroidery to be carried out</li> <li>1.9 Identify color combination</li> <li>1.10 Use correct lifting and handling procedure</li> <li>1.11 Carry out different types of knotted stitches</li> <li>1.12 Take action in the event of damaged tool/materials</li> </ol>
2	Identify and select various embroidery materials, including fabrics, threads and their suitability for different embroidery products	<p><b>After completion of this module students will be able to:</b></p> <ol style="list-style-type: none"> <li>2.1 Identify and select different types of fabric</li> <li>2.2 Practice fabric preparation techniques</li> <li>2.3 Complete washing, ironing to ensure a clean and stable surface</li> <li>2.4 Select thread colors and thickness based on design requirements</li> <li>2.5 Identify and select essential embroidery tools</li> </ol>

Module No.	Learning Outcome	Assessment Criteria
		2.6 Practice basic stitches with variations 2.7 Explore advanced embroidery 2.8 Identify and address the common defects 2.9 Practice finish products 2.10 Explain how to care for and maintain embroidered items, considering the specific materials used.
3	Select and prepare the fabric for hand embroidery	<b>After completion of this module students will be able to:</b> 3.1 Explain various types of fabric commonly used for hand embroidery 3.2 Select the fabric for a appropriate thread count suitable for hand embroidery 3.3 Choose the color of the fabric in relation to the embroidery design 3.4 Select the weight of the fabric should match the complexity and style of embroidery 3.5 Wash the fabric and press the fabric to remove any sizing of dirt 3.6 Use embroidery hoop and choose one that matches the size of embroidery design 3.7 Use removable fabric markers or tailor chalk to mark guidelines on the fabric 3.8 Choose high quality embroidery thread that complement your fabric and design 3.9 Store finished embroidery work to protect it from dust, moisture and sunlight
4	Create a given embroidery sample design and carry out embroidery operation to reproduce the given design	<b>After completion of this module students will be able to:</b> 4.1 Ensure that the given embroidery design is clear, well-defined and free from ambiguity. 4.2 Determine the intended size of the embroidery. 4.3 Check the color specifications of the design, including thread colors and their placement. 4.4 Assess the complexity of the design in terms of stitch types, density and intricacy. 4.5 Use the correct embroidery hoop for the chosen fabric and design size. 4.6 Make sure the fabric is taut but not stretched within the hoop. 4.7 Select the appropriate embroidery threads that match the design's color specifications. 4.8 Trim any excess thread or jump stitches as needed during or after the embroidery process 4.9 Inspect the embroidered piece for any defects such as skipped stitches, thread snags or misalignment.

Module No.	Learning Outcome	AssessmentCriteria
5	Identify the common defects in embroidery work, ensuring that the final products meet predetermined quality standards	<p><b>After completion of this module students will be able to:</b></p> <ul style="list-style-type: none"> <li>5.1 Check for missing stitches in the design, which can result in gaps or incomplete shapes.</li> <li>5.2 Assess the consistency of stitch lengths and spacing to ensure uniformity throughout the design.</li> <li>5.3 Inspect for uneven thread tension, which can result in puckering or distortion of the fabric.</li> <li>5.4 Verify that the design is correctly aligned and centered according to the predetermined position on the fabric or item</li> <li>5.5 Ensure that the design size matches the specified dimensions to prevent distortion or miss fitting .</li> <li>5.6 Identify any knots or tangles in the embroidery thread, as they can lead to thread breaks or irregular stitches.</li> <li>5.7 Ensure that all thread ends are properly trimmed, leaving no loose threads hanging from the embroidered area.</li> <li>5.8 Verify that underlay stitches, if used, provide proper stability and do not show through the top layer of stitches.</li> <li>5.9 Ensure that the embroidery threads are colorfast and do not bleed onto the fabric during washing or use.</li> </ul>
6	Apply safe working practice	<p><b>After completion of this module students will be able to:</b></p> <ul style="list-style-type: none"> <li>6.1 Practice first aid and general safety recommended safe practices</li> <li>6.2 Reduce health hazards in the working place</li> <li>6.3 Ensure you are using appropriate embroidery needles that are sharp, in good condition, and suitable for your fabric and thread.</li> <li>6.4 Ensure adequate lighting to avoid eye strain and improve accuracy in your embroidery work</li> <li>6.5 Keep your workspace clean and organized to prevent accidents, such as tripping over materials or knocking over sharp objects.</li> <li>6.6 Avoid tangling or knotting of threads, which can lead to frustration and potential injuries from handling knotted threads</li> <li>6.7 Be aware of any chemicals you use in your embroidery, such as fabric markers or adhesives, and follow the safety instructions provided.</li> <li>6.8 Maintain a record of safety guidelines and best practices for hand embroidery, and consider seeking additional training or resources if necessary.</li> </ul>
7	OJT	Assessor will check report prepared for this component of Practical training of the course and assess whether competency has been developed to work in the real job situation with special emphasis on basic safety and

Module No.	Learning Outcome	AssessmentCriteria
		hazards in this domain. (The trainee is expected to undertake work in actual workplace under any supervisor / contractor for 60 Hours.)
8	Employability Skill	As per guided curriculum

**List of Tools, Equipment & materials needed for a batch of 30 Trainees:**

Sl No	Items with description	Unit of expression	Qty
1	Embroidery Thread of Various composition , Count And Ply (assortment)	packs/reels	30nos
2	Novelty, Fancy Yarns, Metallic yarns (assortment)	packs/reels	20nos
3	Base-Fabric yardage for embroidery	mtrs	100nos
4	Surface Embellishments and stickers tickets (assortment, as per req)	packs	10nos
5	Masking Tape		10nos
6	Needles for embroidery (various sizes)	packs	10nos
7	Thimbles (for each finger tips)		30nos
8	Design templates		1 no
9	Scales 24"		3nos
10	Measuring Tape		15nos
11	Punch Needles	packs	5nos
12	Scissors for Fabric Cutting And Paper Cutting		5nos
13	Frame for embroidery	sets	30nos
14	Tracing Paper(Size- A3)	packs	2nos
15	Carbon Paper (Coloring)	packs	2nos
16	Cotton-Swabs/Dabber/roll	rolls	1 no
17	Hand Held Thread Trimmer		30nos
18	Seam Ripper		30nos
19	Fire Extinguisher		1 no
20	Glue	pack	1 no
21	Bent Neck needle/aari needle		5nos
22	Basic Stationary	sets	30nos
23	Pick Glass		3nos
24	Students Manual		30nos
25	First Aid Box		1 no
26	Tracing Wheel		5nos
27	Tailor's Chalk	Box	1 no
28	Pins & Safety Pins & Dress Maker's Pins	Box	1 no
29	Pin Cushion	Box	1 no
30	Backing Paper/fusing	packs	2nos
31	Hand Embroidery Motif Books		1 no
32	Student's Chair With Table Arm		30nos
33	Teacher's Table		1 no
34	Teacher's Chair		1 no
35	White/Black Board		1 no
36	White Board Marker/Chalk		1 no
37	Board Eraser		1 no
38	Cupboard		1 no
39	Dress Form (size medium, preferably woman)		1 no
40	Hanger		5
41	Dustbin		1 no

SI No	Items with description	Unit of expression	Qty
42	Carpet (depends on covered floor area)		1 no
43	* If carpet not there then stools and big table		15
44	Ink or tracing material	bottles	2nos
45	Samples , Garments, Made Ups And Home Furnishing and embroidery swatches		1 no
46	Iron and Iron Table		1 no
47	Drawing sheets		60nos
48	Sketching equipment of different medium	set	15nos
49	Drawing boards		30nos
50	Interchangeable Needle Set	set	10nos
51	Straight needle	set	20nos
52	Tapestry Needle		30nos
53	Stitch Markers		30nos
54	Blocking Pins		60nos
55	Ruler 12"		15nos
56	Thread Cutter		30nos
57	Knitting Yarns (Wool / Acrylic / Cotton )	Box	30nos

### Marks Distribution

Outcome	Outcome code	Total Th. marks	Total Pr. marks
Describe hand embroidery, including its historical significance, various embroidery styles and techniques and the tools and materials used	APL/0309/OC1	30	130
Identify and select various embroidery materials, including fabrics, threads and their suitability for different embroidery products	APL/0309/OC2	30	130
Select and prepare the fabric for hand embroidery	APL/0309/OC3	20	80
Create a given embroidery sample design and carry out embroidery operation to reproduce the given design	APL/0309/OC4	30	130
Identify the common defects in embroidery work, ensuring that the final products meet predetermined quality standards	APL/0309/OC5	20	90
Apply safe working practice	APL/0309/OC6	20	90
Work in real job situation with special emphasis on basic safety and hazards in this domain (OJT).	APL/0309/OC7	0	150
Employability Skills – 60 Hrs	DGT/VSQ/N0102	50	0