

CURRICULUM FOR SIX MONTH CERTIFICATE COURSE
FOR
COMMUNITY DEVELOPMENT THROUGH POLYTECHNIC SCHEME
IN
EMBROIDERY & KNITTING

UNDER DEVELOPMENT

Prepared By
CURRICULUM DEVELOPMENT CELL

INSTITUTE OF RESEARCH, DEVELOPMENT TRAINING,U.P.,
KANPUR-208002

SIX MONTH CERTIFICATE COURSE
IN
EMBROIDERY & KNITTING

| Sl. No. | Module | Name of Module | Duration |
|----------------|---------------|---------------------------|-----------------|
| 1. | Module 1 | Hand Embroidery | 12 |
| 2. | Module 2 | Machine Embroidery | 12 |

MAIN FEATURES OF THE CURRICULUM

1. Title of the Course : Certificate course in **EMBROIDERY & KNITTING**
2. Duration of the Course : Six Month
3. Type of the Course : Full Time Institutional
4. Entry Qualification : Passed 10th class or its equivalent.

MODULE – I : HAND EMBROIDERY

THEORY

1. Embroidery tools & equipment.
2. Categories of basic stitches of hand embroidery-their techniques and applications.
3. Embroidery threads and their classification.
4. Selection of threads & needles according to the texture and fibre of the material.
5. Tracing technique.
6. Tracing methods.
7. Ironing & finishing of the embroidered articles.
8. Identification of fiber and their characteristics.
9. Shade work, its kinds, techniques & characteristics.
10. Applique work.
11. Smocking –its kinds and uses.
12. Cut work- its kinds and uses.

PRATCTICAL

A. BASIC STITCHES

(a) Flat Stitches

1. Running Stitch
2. Back Stitch
3. Stem Stitch
4. Satin Stitch
5. Kashmiri Stitch
6. Couching Stitch
7. Cross Stitch
8. Herringbone Stitch

(b) Loop Stitches

1. Chain Stitch
2. Lazy-daisy Stitch
3. Button hole Stitch
4. Blanket Stitch
5. Fishbone Stitch
6. Feather Stitch
7. fly Stitch

(c) Knotted Stitches

1. French knot Stitch
2. Double knot Stitch
3. Bullion knot Stitch

Note: The practical exercises on “Basic Stitches” shall consist of sample pieces to be presented in the form of a file.

(B) COMBINATION OF STITCHES & WORK STYLES

1. Lazy-daisy, stem French knot and bullion knot stitches.
2. Satin, chain, button hole stitches & different types of edges (hem stitch, scallops, lace & rolled hem)
3. Long & short, shade work, satin & French knot stitches.
4. Applique work.
5. Cross Stitch.
6. Tapestry Stitch.
7. Shadow work.
8. Mirror work.
9. English Smocking.
10. Cut work.
11. Sindhi Work

Note: About 10 utility articles shall be prepared covering practice of different combinations of stitches and work styles.

MODULE – II : MACHINE EMBROIDERY

THEORY

1. Machine parts & their functions.
2. Mechanical faults & their remedies.
3. Care and maintenance of machines.
4. Machine attachments and their uses.
5. Machine Tension (for the use of different stitches and work styles)
6. Selection of material for different types of Embroidery work and for the different articles
7. Standard sizes of house hold linens.
8. Embroidery accessories.
9. Methods of shrinking, washing starching, finishing, folding and packing of garments.
10. Estimation and costing of readymade articles.

PRACTICAL

A. BASIC STITCHES

(a) On Treadle Sewing Machine

1. Running Stitch
2. Satin Stitch
3. Cording Stitch
4. Long & Short Stitch
5. Stem Stitch
6. Back Stitch

(b) On Automatic Zigzag Lock Stitch Machine

1. Running Stitch
2. Satin Stitch
3. Cording Stitch
4. Stem Stitch
5. Zig-Zag Stitch

Note: The practical exercises on “Basic Stitches” shall consist of sample pieces to be presented in the form of a file.

B. COMBINATION OF BASIC STITCHES & WORK STYLES

(a) 1. Running shade work

2. Cording & satin stitch

3. Eyelet work
4. Applique work
5. Shade work and round
6. Cut work and open work

7. Pin stitch & pitch stitch
8. China Embroidery & fancy embroidery

(b) On Automatic Zig-Zag Lock Stitch Machine

1. Running & Running shade work
2. Cording & satin stitch
3. Stem Stitch & satin stitch
4. Applique work

Note : About ten utility articles shall be prepared covering practice of different combinations of stitches & work styles.

**LIST OF MACHINES TOOLS, EQUIPMENT AND FURNITURE
FOR
THE TRADE OF EMBROIDERY & KNITTING
FOR A BATCH OF 16TRAINEES (PLUS 20% SUPER NUMERIES)**

A. Handi Tools

| | |
|--------------------------------------|----|
| 1. Scissors size 20 cm | 20 |
| 2. Shears size 10 cm | 20 |
| 3. Stiletto | 20 |
| 4. Ripper (Stitch opener) | 20 |
| 5. Embroidery Rings/Frame size 10 cm | 20 |
| 6. Embroidery Rings/Frame size 20 cm | 20 |
| 7. One meter measuring tape | 20 |

B. Equipment

| | |
|-----------------------------------------------------|----|
| 8. Treadle type sewing machine | 10 |
| 9. Zig-zag Lock Stitch Automatic Embroidery Machine | 10 |
| 10. Thermostatically Controlled Pressing Iron | 02 |
| 11. Pressing Board | 02 |
| 12. Light Box (Height 3 Top 4 *3) | 02 |
| 13. Desk Type Calculator with listing facility | 01 |
| 14. L Square | 04 |
| 15. Screw Driver Set | 04 |
| 16. Tracing Wheel | 04 |
| 17. Plastic scale (30 cm) | 04 |
| 18. Ordinary Geometrical Instrument Box | 04 |
| 19. Wall Clock | 01 |

C. Furniture

| | |
|------------------------------------------------------------|----|
| 20. Instructor's Table | 01 |
| 21. Instructor's Chair | 02 |
| 22. Locker Cabinet with 8 lockers | 02 |
| 23. Steel Almirah | 02 |
| 24. Low seated chairs | 20 |
| 25. Instructor's Tools & Accessories with lockable drawers | 01 |
| 26. Chair without arms with adjustable back and seat | 20 |
| 27. Table for cutting & pressing purpose 6'*3'*3' | 02 |
| 28. Wall show case 120*75 cm | 04 |
| 29. Chalk Board | 01 |
| 30. Display Stand | 01 |
| 31. Hanger | 12 |
| 32. Floor Covering (Carpet or PVC) | 01 |

Note: The tools/equipment/furniture & space may be shared between two units of the trade.

However, Hand Tools (item Nos. 1 to 7, 13 to 18 and Instructor's & trainees furniture (Item Nos. 1to 7, 13 to 18) and Instructor's & trainees furniture (item Nos. 20 to 23 & 25) May be duplicated for the second unit.