

Syllabus for Cotton Muslin Spinning Assistant (OJT)

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| Course Name | Cotton Muslin Spinning Assistant |
| Sector | Textiles & Handloom |
| Course Code | TXT/2024/CMSA/363 |
| Level | 2.5 (RPL & OJT) |
| Occupation | Cotton Muslin Spinning Assistant |
| Job Description | The candidate is responsible to assist in the Charkha spinning process, ensuring the efficient and high-quality production of cotton muslin. The candidate will be proficient in operating Charkha spinning equipment, conducting regular checks for quality assurance and addressing the operational issues. |
| Course Duration | Total Duration 210 Hrs (OJT-210 Hrs) |
| Trainees' Entry Qualification | <ul style="list-style-type: none"> • 9th Grade pass OR • 8th Grade pass and pursuing continuous schooling OR • Grade 5 with 4 years relevant experience OR • Ability to read and write with 4 years relevant experience OR • Previous relevant Qualification of NSQF Level 2 with 6 months relevant experience OR • Previous relevant Qualification of NSQF Level 1 with 1.5 years relevant experience |
| Trainers Qualification | Diploma in Handloom Technology with 3 years' experience in the relevant field OR Class X th passed 7 years' experience in the relevant field |

Structure of Course: (In OJT Mode)

| Module No. | Module name | Outcome | Compulsory/ Elective | Total (Hrs) (OJT) |
|--------------|-------------------------------|---|-------------------------|-------------------|
| 1 | Working of Charkha | Describe the working principle of Charkha | Compulsory | 90 |
| 2 | Spinning of charkha | Demonstrate the operating and spinning process of charkha | Compulsory | 30 |
| 3 | Maintenance of Charkha | Identify and troubleshoot the maintenance procedure of Charkha | Compulsory | 60 |
| 4 | Quality of weaving | Identify and rectify the common weaving defects and main quality of weaving | Compulsory | 30 |
| TOTAL | | | | 210 |

SYLLABUS:

| Sl. No. | Module | Content |
|---------|-------------------------------|--|
| 1 | Working of Charkha | How a charkha works Types of charkha |
| 2 | Spinning of charkha | Method of spinning yarn in charkha Know how about a charkha Style of knotting yarn in charkha How to make a good quality bobbin |
| 3 | Maintenance of Charkha | How to maintain the quality level of yarn in charkha Practical classes about charkha |
| 4 | Quality of weaving | How to maintain the quality for weaving Doubling of yarn, Twisting of yarn |

List of Tools, Equipment & materials needed for 30 Trainees

| Sl No | Items Name | Specification | Qty |
|-------|------------------------|---------------|-------------|
| 1 | 7 Spindle Charkha | | 15 |
| 2 | 5 Spindle Charkha | | 15 |
| 3 | Belni | | 6 |
| 4 | Cotton muslin yarns | | As required |
| 5 | Spare parts of Charkha | | As required |
| 6 | Raw materials | | As required |

Marks Distribution

| Outcome | Outcome Code | Total Th marks | Total Pr marks |
|---|--------------|----------------|----------------|
| Describe the working principle of Charkha | TXT/3718/OC1 | 50 | 300 |
| Demonstrate the operating and spinning process of charkha | TXT/3718/OC2 | 30 | 170 |
| Identify and troubleshoot the maintenance procedure of Charkha | TXT/3718/OC3 | 20 | 230 |
| Identify and rectify the common weaving defects and main quality of weaving | TXT/3718/OC4 | 20 | 180 |