

MAHARASHTRA STATE BOARD OF VOCATIONAL EDUCATION EXAMINATION, MUMBAI - 51

| 1 | Name of Course | Certificate Course in Manufacturing Leather Goods (407105) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 2 | Max. Nos. of Student | 25 Students | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Duration | 6 Months | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Type | Part Time | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Nos. of Days / Week | 6 Days | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Nos. of Hours /Days | 4 Hrs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Space Required | Theory Class Room – 200 sqft Practical – 300 sqft | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Entry Qualification | VIII th passed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | Objective Of Syllabus/ introduction | After completion of this course the participant will acquire the skill to Identify, select, use and store tools, equipments and materials used in Leather and Rexine Goods making in a safe manner. To Fabricate wallet, purse, hand bag and belts | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | Employment Opportunity | Can work as Leather goods Maker in Leather goods Manufacturing Industry | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | Teacher’s Qualification | Min 2 year Experienced Senior Leather Sports goods Maker for Practical and B.A. or B.Com, B.Sc. With computer competency for theory subject | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | Training System | <table><tr><th colspan="7">Training System Per Week</th></tr><tr><td colspan="2">Theory</td><td colspan="2">Practical</td><td colspan="3">Total</td></tr><tr><td colspan="2">6 hrs</td><td colspan="2">18hrs</td><td colspan="3">24hrs</td></tr></table> | | | | | | | Training System Per Week | | | | | | | Theory | | Practical | | Total | | | 6 hrs | | 18hrs | | 24hrs | | | | | | | | | | | | | | | | | | | | | | | |
| Training System Per Week | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Theory | | Practical | | Total | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 hrs | | 18hrs | | 24hrs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | Exam. System | <table><tr><th>Sr. No.</th><th>Paper Code</th><th>Name of Subject</th><th>TH/PR</th><th>Hours</th><th>Max. Marks</th><th>Min. Marks</th></tr><tr><td>1</td><td>40710511</td><td>Leather Goods Maker</td><td>TH</td><td>3 Hrs</td><td>100</td><td>35</td></tr><tr><td>2</td><td>40710521</td><td>Introduction to Leather Industry</td><td>PR-I</td><td>3 Hrs</td><td>100</td><td>50</td></tr><tr><td>3</td><td>40710522</td><td>Leather Goods Maker</td><td>PR-II</td><td>6 Hrs</td><td>200</td><td>100</td></tr><tr><td></td><td></td><td>Total</td><td></td><td></td><td>400</td><td>185</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> | | | | | | | Sr. No. | Paper Code | Name of Subject | TH/PR | Hours | Max. Marks | Min. Marks | 1 | 40710511 | Leather Goods Maker | TH | 3 Hrs | 100 | 35 | 2 | 40710521 | Introduction to Leather Industry | PR-I | 3 Hrs | 100 | 50 | 3 | 40710522 | Leather Goods Maker | PR-II | 6 Hrs | 200 | 100 | | | Total | | | 400 | 185 | | | | | | | |
| Sr. No. | Paper Code | Name of Subject | TH/PR | Hours | Max. Marks | Min. Marks | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 40710511 | Leather Goods Maker | TH | 3 Hrs | 100 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 40710521 | Introduction to Leather Industry | PR-I | 3 Hrs | 100 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 40710522 | Leather Goods Maker | PR-II | 6 Hrs | 200 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Total | | | 400 | 185 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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SYLLABUS

Theory & Practical Leather Goods Maker

| Practical – II | Theory - I |
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| <ul style="list-style-type: none"> <input type="checkbox"/> Use of protective clothing and boots <input type="checkbox"/> Maintain personal cleanliness & Hygiene <input type="checkbox"/> Carry out basic first aid treatment/notifying accident. <input type="checkbox"/> Practice fire safety measures <input type="checkbox"/> Simple Disaster Management & preventive measures in the event of Earthquakes, Tsunami, etc. <input type="checkbox"/> Identify tools, equipments and materials used in Leather and Rexine Goods making <input type="checkbox"/> Apply good house keeping practices, proper handling of materials and disposal of waste, follow statutory regulations. | <ul style="list-style-type: none"> <input type="checkbox"/> Safety precautions, use of protective clothing and elementary first aid. <input type="checkbox"/> Importance of personal cleanliness & Hygiene <input type="checkbox"/> Reasons for carrying out good housekeeping practices <input type="checkbox"/> Functions and uses of various tools, equipment and materials. <input type="checkbox"/> Care and use of tools, equipment and materials used in bakery <input type="checkbox"/> Selection and correct use of tools and equipment <input type="checkbox"/> Proper handling and correct use of hand tools |
| <ul style="list-style-type: none"> <input type="checkbox"/> Store/lay and use materials at work in safe manner <input type="checkbox"/> Use and store tools and equipments in a safe manner <input type="checkbox"/> Select proper tools, equipment and material for a particular task <input type="checkbox"/> Carry out cleaning, oiling and maintenance of the sewing machine (Sewing machine: Treadle operated (manual), power operated Flat bed sewing M/C) <input type="checkbox"/> Set the sewing machine for operation (Set: Needle fixing, winding the bobbin thread, adjusting the stitch length, tension and pressure) <input type="checkbox"/> Draft and mark straight line, curved line and circle <input type="checkbox"/> Perform stitching operation as per drafting <input type="checkbox"/> Carry out clicking & cutting (Clicking: Straight cutting, curved cutting, Kit cutting, angle cutting, round cutting) <input type="checkbox"/> Carryout skiving by hand and machine | <ul style="list-style-type: none"> <input type="checkbox"/> Structure and quality of leather. Criteria for selection of suitable leather for a product. <input type="checkbox"/> Different types of synthetic materials and their uses <input type="checkbox"/> Types of adhesives and their application. <input type="checkbox"/> Different types of sewing machines. Parts of machines and their functions. Cleaning, oiling and Maintenance of sewing M/C <input type="checkbox"/> Proper body position, ventilation and lighting while stitching <input type="checkbox"/> Selection of proper tools & machineries for different operations. <input type="checkbox"/> Principles involved in pattern preparation. <input type="checkbox"/> Drafting and marking procedures <input type="checkbox"/> Types of stitch formation, chain stitch, lock stitch. Procedure for Stitch formation. Safety measures to be followed while stitching <input type="checkbox"/> Principles and rules of upper components clicking, preparation before clicking. Instructions for economical clicking, leather cutting control |

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| <ul style="list-style-type: none"> <input type="checkbox"/> Fabricate a wallet <ul style="list-style-type: none"> • Prepare pattern for wallet • Mark and cut the components (Components: leather, lining & reinforcements) • Skive the components • Fold and assemble (attaching lining, pasting, edge folding) • Stitch the wallet sequentially • Finish the wallet (Finish: Thread cutting, trimming, colouring, cleaning, polishing) • Fix the accessories, check quality and pack for delivery <input type="checkbox"/> Fabricate bag <ul style="list-style-type: none"> • Prepare pattern for bag (Bag: ladies bag, ladies purse, shoulder bags, executive bag, travel bag) • Mark and cut the components (Components: leather, lining & reinforcements) • Skive the components • Fold and assemble (attaching lining & reinforcement, pasting, edge folding) | <ul style="list-style-type: none"> <input type="checkbox"/> Importance of skiving and splitting, types of skiving. <input type="checkbox"/> Types of seams and their application <input type="checkbox"/> Quality checks to be carried out. <input type="checkbox"/> Importance and methods of packaging |
| <ul style="list-style-type: none"> • Stitch the purse sequentially • Finish the bag (Finish: Thread cutting, trimming, colouring, cleaning, polishing) • Fix the accessories, check quality and pack for delivery <input type="checkbox"/> Fabricate belt <ul style="list-style-type: none"> • Prepare pattern for belt (Gents belt, ladies belt and dog belt) • Mark and cut the components (Components: leather, lining & reinforcements) • Skive the components • Fold and assemble (attaching lining & reinforcement, pasting, edge folding) • Stitch the belt sequentially • Finish the bag (Finish: Thread cutting, trimming, colouring, cleaning, polishing) • Fix the accessories, check quality and pack for delivery <input type="checkbox"/> Rectify minor faults in the sewing machine (Faults: Needle break, skip stitching, irregular stitch , tuckering , thread cuts) | |

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| <input type="checkbox"/> List out the materials required to produce a given product <input type="checkbox"/> Estimate cost of materials required <input type="checkbox"/> Estimate man power and time required for completing the work <input type="checkbox"/> Estimate labour cost, overheads and cost of utilities (Power, water) <input type="checkbox"/> Estimate the total cost involved in production of a product. <input type="checkbox"/> Identify the possible agencies and other customers, who can purchase. Make a comparative study of the rates of other suppliers. Prepare a label according to requirement. | |
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List of Tools and Equipments for Leather Goods Maker

| Sr.No. | Name of the Hand Tools | Quantity |
|--------|-----------------------------------------------|----------|
| 1. | Marble stone (40 x 40 x 10 cm) | 10 Nos. |
| 2. | Wooden block (30 x 10 x 10cm) | 10 Nos. |
| 3. | Steel rule 300mm | 5 Nos. |
| 4. | Steel rule 600 mm | 5 Nos. |
| 5. | 'L' square | 5 Nos. |
| 6. | Compass | 10 Nos. |
| 7. | Divider | 10 Nos. |
| 8. | Scissors 150 mm blade | 10 Nos. |
| 9. | Hammer | 10 Nos. |
| 10. | Clicking knife | 10 Nos. |
| 11. | Stitching awl | 10 Nos. |
| 12. | Punch set No 1 To 10 mm | 1 set |
| 13. | Cutting plier 150 mm | 5 Nos. |
| 14. | Set of screw drivers | 1 set |
| 15. | Eyelet setter | 1 set |
| 16. | Measuring tape 2 metres long cotton / plastic | 5 Nos. |
| 17. | French curve set | 5 set |
| 18. | Folding hammer | 5 Nos. |
| 19. | Press button die set | 1 set |
| 20. | Fibre board | 5 Nos. |
| 21. | Oil stone 6' x 2' x 1' | 5 Nos. |
| 22. | Nylon head hammer | 5 Nos. |
| 23. | Leather thickness measuring gauge | 1 nos |
| 24. | Work Table Top fixing with cuddappa stone | 10 Nos. |
| 25. | Wooden stools | 10 Nos. |
| 26. | Skiving knife | 10 Nos. |
| 27. | Clicking Table Top fixing with G. I. sheet | 10 Nos. |

List of Machines / Equipments Required

| Sr. No. | Name of the machinery | Specification | Quantity |
|---------|---------------------------------------------|------------------------------------------|----------|
| 1. | Flat bed sewing machine (manually operated) | Single needle capacity leather stitching | 5 Nos. |
| 2. | Flat bed sewing machine (power operated) | Single needle capacity Leather stitching | 10 Nos. |
| 3. | Cylinder bed sewing machine | Single needle capacity Leather stitching | 1 No . |
| 4. | Skiving machine | Leather skiving | 1 No. |
| 5. | | Edge folding machine (power operated) | 1 No. |
| 6. | | Bench Grinder | 1 No. |
| 7. | | Clicking Machine | 1 No. |
| 8. | | Stamping Machine with Die set | 1 No. |

List of Raw Material Suggested for Leather Goods Maker

| Sr.No. | Name of the Materials | Quantity |
|--------|---------------------------------------------|-----------------------------------|
| 1. | Sheep leather 0.6 to 0.8 mm thick | 2500 sq.dcm |
| 2. | Goat leather 0.6 to 1.0 mm thick | 1500 sq. dcm |
| 3. | Cow sotty leather 0.7 to 1 mm | 3000 sq. dcm |
| 4. | Foam rexine | 20 metres |
| 5. | Banian rexine | 40 metres |
| 6. | Lining cloth for cotton | 60 metres |
| 7. | Synthetic linings (satin cloth) | 20 metres |
| 8. | Colour board | 200 numbers |
| 9. | Grey board | 40 numbers |
| 10. | Sewing machine needle No : 100, 110, 120 LR | 10 packets |
| 11. | Sewing machine oil | 10 litres |
| 12. | Sewing machine thread (nylon) 30, 40, 60. | 10 cones |
| 13. | Corners | 10 dozens (suitable size) |
| 14. | Zip 3mm | 40 metres |
| 15. | Zip 5mm | 60 metres |
| 16. | Runner 3mm | 1 Gross |
| 17. | Runner 5mm | 1 Gross |
| 18. | Press button | 10 dozens (suitable size) |
| 19. | Eyelet button | 10 dozens (suitable size) |
| 20. | ‘D’ Rings | 10 dozens (suitable size) |
| 21. | Adjustable buckle | 5 dozens (suitable size) |
| 22. | Magnetic lock | 5 dozens (suitable size) |
| 23. | Pipe beading | 20 Rolls |
| 24. | Rivet button | 1 Gross (suitable size) |
| 25. | Dendrite adhesive | 30 litres |
| 26. | Rubber latex | 20 litres |
| 27. | Pigment (season) 100ml. | 1 dozen |
| 28. | Polishing brush | 10 numbers Black and brown colour |
| 29. | Belt buckles | 2 dozens (suitable size) |
| 30. | Marking pencils | 50 numbers |
| 31. | Dog hooks | 2 dozens (suitable size) |

Practical – I

Introduction to Leather Industry

- ☐ Safety precautions – Use of pass words, data saving, and closing computers.
- ☐ Familiarization with data to be entered and their files and path.
- ☐ Familiarization with Leather goods manufacturing factory activities and the role of a data entry operator in maintaining records.
- ☐ Mock drills – fire fighting and first aid
- ☐ Safety precautions (uses of tools and equipments in safe manner.)
- ☐ Stock Maintenance, coding the material, bin card entry.
- ☐ Stock Inspection.
- ☐ Familiarization of stock required by each department.
- ☐ Practices of stock keeping of the cut panels and semi stitched Leather goods parts
- ☐ Knowledge of Stock requirement and arrangement.
- ☐ Stock Maintenance and Accounting on stocks.
- ☐ Knowledge of purchase and exchange.
- ☐ Stock Reporting & Dispatching report maintenance.

List of Tools & Equipments

| Description | Quantity |
|----------------------------------------------------------------|-----------------|
| Note Book 100 pgs, Pen, Pencil, Eraser, Ruler, White A4 Sheets | 25 sets |
| Aprons, caps | 25 sets |
| Store room Depending on stock | 1 |
| Computer System with printer | 2 |