

**MAHARASHTRA STATE BOARD OF VOCATIONAL EDUCATION EXAMINATION,  
MUMBAI**

1	Name of Syllabus	<b>C. C. IN OFFICE FURNITURE MAKING (303103)</b>																																	
2	Max .No's of Student	25 Students																																	
3	Duration	6 Months																																	
4	Type	Part Time																																	
5	No's Of Days / Week	6 Days																																	
6	No's Of Hours /Days	4 hrs.																																	
7	Space Required	1) Workshop = 600 sq feet 2) <u>Class Room = 200 sq feet</u> TOTAL = 800 sq feet																																	
8	Entry Qualification	4 <sup>th</sup> Pass																																	
9	Objective Of Syllabus/ introduction	Introduction – the syllabus of C.C. In furniture making has been evolved in such a way that after completion of course of 6 months, the student would acquire good working skill in furniture making . He would also gain confidence to operate machines such as circular saw , wood turning lathe , planning machine . <b>Objective:-</b> 1) Develop proper knowledge of carpentry tools & joints . 2) Develop skill in various types of wood joints. 3) Develop confidence and entrepreneurship by arrangement industrial visit and lectures of personnel from industries .																																	
10	Employment Opportunity	The Student may start his own business / May get employment in furniture making company/shop																																	
11	Teacher's Qualification	ITI / NCVT In Carpentry																																	
12	Training System	<table><tr><th colspan="4">Training System Per Week</th></tr><tr><td>Practical</td><td colspan="2">Total</td><td colspan="3"></td></tr><tr><td>24hrs</td><td colspan="2">24hrs</td><td colspan="3"></td></tr></table>						Training System Per Week				Practical	Total					24hrs	24hrs																
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## **Syllabus :- C. C. IN OFFICE FURNITURE MAKING**

### **PRACTICAL – I, WOOD JOINT**

<b>Sr No</b>	<b>Topics Name</b>
<b>1</b>	Use of different measuring and marking tools for the carpenter particularly for cabinet and furniture maker.
<b>2</b>	Sharpe ring of tools like firmer chisel, mortise chisel, planer blades etc. and Drilling holes, including continuous chain drilling.
<b>3</b>	Simple operations like cutting with saw in different manners and ripping.
<b>4</b>	Planning practice and making planks to size and level Application of marking and mortise gauges.
<b>5</b>	Marking for tenanting by using mortise gauge. Try square and other marking materials.
<b>6</b>	Marking for mortise perpendicular to each member.
<b>7</b>	Marking joints in angular positions. Use of carpenter vice.
<b>8</b>	Preparing tongue and glove dowse fixing of panels and boards b packet brewing.
<b>9</b>	Various Type of Joints
<b>10</b>	Job exercises, involving simple joints, by using timber and formed materials.

### **PRACTICAL - 2 - FURNITURE MAKING**

- 1.** Surface finishing.
- 2.** Operate power hand tools such as disc/band sander, tongue and groove, saw, drilling, etc.,
- 3.** Operate simple wood working machines to prepare simple jobs.
- 4.** Marking for jobs involving cutting at curvatures, profile marking and shipping jobs to size and position by using different files.
- 5.** Making of jobs like frames for posters, photo, various types of Furniture's, cabinets etc.
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## LIST OF TOOLS AND EQUIPMENT.

1.	Riles two fold steel	24"	4 Nos.
2.	Caliper inside	6"	1 No.
3.	Caliper outside	6"	4 Nos.
4.	Marking knife		3 Nos.
5.	Screw driver (Hat bhide)	12	4 Nos.
6.	Square, try	8"	4 Nos.
7.	Saw hand	18"	8 Nos.
8.	Saw, tenon	12"	8 Nos.
9.	Chisels firmer 1/8" <u>to 1</u> " By 1/8" set of 8		
10.	Mallet 1 Kg. with handle	1	06 Nos.
11.	Hammer Gross peen Carpenter 1/2 lbs. with handle.		4
12.	Plane Jack 14" Iron Stock 2" cutter.		8
13.	Plane smoothing Iron 1¾ " outer		8
14.	Plane jack wooden stock 2" cutter		4"
15.	File 3 corner or triangular 2 <sup>nd</sup> out 5"		15"
16.	Chisel mortise 1/8" to 3/4" by 1/4" set of 6		4 sets
17.	Gauge, Mortise 1/8" and marking		8+8
18.	Stone oil 8"x2"x1".		2
19.	Trammel		2 Nos.
20.	Clamp 6"		4 "
21.	Saw set Stanley type		4 "
22.	Saw compass	16"	4 "
23.	Saw hand	26"	2 "
24.	Saw vice	10m	1
25.	Tape measuring steel	-	1"
26.	Pincer 6"		8"
27.	Compass Wing 12"		4"
28.	Goggles pair		4"
29.	Plane rabbet adjustable with cutter set.		8"
30.	Plane grooving 1/4" 1/8" cutter etc.		4 Nos.
31.	Plane plough fitted with screw and set of cutters		4 "

32.	Hammer, claw 1½" Lbs.	4 "
33.	Screw driver 16" flat.	4 "
34.	Screw driver 9"	8 "
35.	File rasp bastard 10"	8 "
36.	Bit ratchet brace 10"	4 "
37.	Bit centre ¼ , 5/16, 3/8" and 1" set of	4 sets
38.	Auger ½" 5/8", 3/4", 7/8, & 1 set of 5	3 sets
39.	Miter Box 24" x 24"	4 Nos.
40.	Spoke shave 2" cutter	8 "
41.	Punch nail	6 "
42.	Scriber 6"	2 "
43.	Centre punch	2 "
44.	Chisel cold flat 3/4"	4 "
45.	File flat rough 14"	4 "
46.	File half round	4 "
47.	File round 2 <sup>nd</sup> cut	
48.	Working table 3' x 2' x 3' height	4 "
49.	Hand drill 1/4" capacity	2 "
50.	Twist drill 1/8"	8 "
51.	Cramp, bar carpenter 4ft.	4 "
52.	Cramp " 6 ft.	4 "
53.	Steel Almirah 6' x 4' x 18"	1
54.	Steel lockers with 8 drawers (Standard size)	2
55.	Fire buckets	4
56.	Fire extinguisher	2
57.	Bench grinder 6" wheels	
58.	Planer 12"	1
59.	Saw circular 12" dia with Motor.	
60.	Lathe, wood working with set of cutters.	1
61.	Number punch 1/4"	-

**Reference Books::**

Sr No	Books Name	Authors'
1	Carpentry completer course	S.H.Bawa
2	Workshop Tech. I	Hajara Chaudhari

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