

INDUSTRIAL SCHOOLS  
**TRADE SYLLABUS – REVISED**

Name of the Trade : CARPENTRY AND CABINET MAKING

SPACE REQUIRED :

(1) Workshop/Lab : 1000 sq.ft.

(2) Class Room : 300 sq.ft

Trade Practical : No change

Trade Theory : No Change

Engineering Drawing : No change

Workshop calculation : No Change

## GENERAL INSTALLATION AND ACCESSORIES

1	Circular saw machine 300 mm Once	1
2	'Lathe, Wood turning' 150mm height of centers 1.75 meter bed, motorized complete with a set of turning tools	1
3	Set of turning tools for above lathe machine	1 Set
4	Bench grinder 200 mm wheel D.E pedestal	1
5	Drill 12 mm Capacity Drilling Machine 12 cap	1
6	Portable electric drill 12 capacity (wolf type)	1
7	Drill chuck 12 mm capacity	1
8	Portable disc sander 125mm Dia	1
9	Universal wood working machine	1
10	Band saw machine with provision of jointing the saw ( narrow type)	1
11	Fire extinguisher	2
12	Fire buckets	4

**LIST OF TOOLS AND EQUIPMENT OF CARPENTRY & CABINET MARKING I UNIT**

SI No.	DESCRIPTION	REVISED NUMBER
1	Steel Tape 3 mt	20
2	Carpentry square 200mm	20
3	Square bevel 150mm	20
4	Carpenter marking gauge	20
5	Carpenter mortise gauge	20
6	Saw hand 450 mm	20
7	Saw tenon 300mm	20
9	Plane, jack 335,x50mm cutter	20
9	Plane smoothing, 200mx&50m cutter	20
10	Chisel, firmer 6,12,20,25,40 & 50 and 50mm width	20
11	Chisel mortice 6,9,12mm	20
12	Screw drive 300mm (cabinet marker)	20
13	Mallet mediumsize	20
14	Hammer, claw (500gm)	20
15	Oil stone (carborundum) universal silicon carbide combination rough and fine)200x50x25mm	20

## COURSE DETAILS

Name of Trade	:-	<b>CARPENTARY AND CABINET MAKING</b>
Qualification	:-	VIII Pass
Age	:-	14-40 Years
Duration	:-	3 Years
Number of Trainees	:-	20
Number of Practical hours	:-	32 Hrs.per week
Number of Theory Hours	:-	8 Hrs per Week
Number of Workshop Calculation hours	:-	2 hrs. per week
Number of Engineering Drawing hours	:-	2 hrs. per week
Space Required		
Workshop	:-	1000 Sq feet
Class Room	:-	300 Sq. feet
Power Required in KW	:-	3. k.w.

### TOOLS: EQUIPMENT AND CENTRAL OUTFIT

1	Spring caliper inside 150mm	2
2	Spring caliper outside	2
3	Wing compass 300mm	1
4	Trammel	1
5	Spirit level 300mm	2
6	Fret saw frame 150mm	2
7	Trying plane metal 450mmx60mm cutter	2
8	PLANE ADJUSTABLE CIRCULAR 250MM	4
9	Moulding plan set	2
10	Gauge chisel, finer 6,10,12,16,20mm	1 sef
11	Gauge chisel setting 6,10,12,16,20mm	1 sef
12	Ball pain hammers 600gm	1
13	Cross pain hammer gm	1
14	Screw driver 450 mm	2
15	Screw driver 250 mm	2
16	Screw driver 150 mm	2
17	Pincer 50mm	2
18	File half round 2 <sup>nd</sup> cut 250mm	2
19	File half round 100e rasp bastard 300mm	4
20	File slim taper 100mm	5
21	File slim taper 150mm	5
22	Card file (steel) wire brush for file	4
23	Hand drill 6mm capacity	4
24	Ratchet brace 250mm swap	4
25	Center bits 6,8,10,12	2 sets
26	Twist drill bits 6,8,20,12mm	2sets
27	Breast drill 6mm capacity	1

28	Centre punch	2
29	Snip straight 200mm	1
30	Number punch 12,,	1
31	Slip stone 100mm	2
32	Round grow bar with schisel and cla1 1070x25mm	1
33	'g' clamp 100	4
34	'g' clamp 150mm	4
35	'g' clamp 250mm	4
36	't' bar cramp 0.6 meter	4
37	't' bar cramp 1.25 meter	2
38	't' bar cramp 1.75 meter	2
39	Carpenter vice 250mm jaws	2
40	Carving tool set	2
41	Goggles pair	2
42	Class cutter	1
43	Nail punch	4
44	Carpenter's work banch 2400x900x800mm height	5
45	Oil can	2
46	Steel lockers 20 compartments with individual locks 1980x910x480mm depth	2
47	Steel almirah and shelves 1980x910x480	2
48	Instructor table (half secretariat	1
49	Instructor chair	2
50	Stool	1
51	Chalk board with easel	1
52	Material rack	3

No. of WEEK	TRADE THEORY	TRADE PRACTICAL	WORKSHOP CAL./ AND SCIENCE	DRAWING
(1)	(2)	(3)	(4)	(5)
1	Importance of the Trade in the Industrial development of the contraction safety and general precautions observed in the Industrial and in the section. Importance of the trade in the development of Industrial economy of the country.	Familiarisation with the Institute, workshop, section and general place wood working sections and wood working machineshop, Introduction to the safety rules in shop floor and to then fire fighting equipments.	-----	-----
2	Related instructions subjects to be taught student of proficiency to be attend.  Instruction to the general safety cause of accident and its remedies.	Show different types of exercises / jobs done by the trainee in the previous batches etc. Show different audio-visual aids	-----	Introducing the subject to the trainee its explaining Importance to the trade names and uses of the various instruction contained instruments sharpening the drawing pencils with correct points. Free hand sketches of straight lines of different length, and different angles. Square, rectangular, circular etc.
3.	Instructions related with duties of trainees, discipline, recreational, medical facilities and other extra curricular activities of the Institute.	Identification of hand tools, demonstration using of measuring and marking tools. Sawing practice: using of different types of Saws, ripping, cross cutting, curve cutting oblique sawing etc.	Introducing the subject to the trainee and explaining its importance in the trade problems in addition subtraction, multiplication and division of whole members.	Geometrical drawing importance, related to the trade

No. of WEEK	TRADE THEORY	TRADE PRACTICAL	WORKSHOP CALCULSON AND SCIENCE	DRAWING
4	Safety precaution to carpentry & cab. Making hand tools, workshop discipline and safety, first aid etc.	Condition for before sharpening Topping setting side dressing and sharpening	-do-	-do-
5	Introduction to the trade, Carpentry & cab, Making hand tools, their classifications, names and uses.	Grinding, sharpening of plane blade and chises.	-do-	-do-
6	Gemetrical tools: Measuring, marking, testing tools, types-sizes, material uses.	-do-	-do-	-do-
7	Cutting tools: Specifications parts of saws, kinds and types, straight cutting and curve cutting saws, saw maintenance and sharpening of saws	-do-	-do-	-do-
8	-do-	Marking practice along the grain and Across the grain -	-do-	-do-
9	-do-	Demonstration and use of different types of chisels, chiseling along the grain. Across the grain, vertical and horizontal etc.	-do-	-do-
10	Specification : part of planes, bench plane, curve cutting planes and special purpose planes, uses of each planes, method of fixing the cap iron to the cutting iron, fixing the cutting iron to the plane. Sharpening cutting iron methods of planning along and across the grains of wood. Safety precautions to the observed in the uses of the plans	Demonstration and making framing joint corner halving joint and corner stoped halving joint.	-do-	Importance of good printing of letters and numbers to draw free hand practice



11	-do-	'T' halving joint, and 'T' stopped halving joint	-do-	Fraction and conversion, to decimal and vise - versa	Lines types various place used and important methods
12	-do-	Dove tail halving joint, dove tail stopped halving joint.	-do-	Fraction, change to other like improper fraction etc., Addition subtraction, multiplication and division,	Conventional broken ends various place used.
13	-do-	Cross halving joint, corner miter halving joint,	-do-	Fraction, change to other like improper fraction etc., Addition subtraction, multiplication and division,	Conventional section, importance symbols for materials and parts, -do-
14	Chisels description, types, sizes and uses. grinding, sharpening, honing chisels, specification of chisel.	Corner bridle joint 'T' Bridle joint / stopped Bridle joint	-do-	-do-	Identification of simple geometrical solids from the given models / teaching aids- square rectangular, cube, cone, prism, pyramid block etc.
15	Dove tail Bridle joint	-do-	-do-	-do-	Free hand sketch of trade related hand tools
16	Miter bridle joint	-do-	-do-	-do-	-do-
17	Boring and cutting tools: Different types of brace and drills, ball baring burmma. Parts, size etc.	Mortise and tenon practice	-do-	-do-	-do-
18	Drill bits-types, sizes, material, cutting angle, sharpening of bits-safety	Sash frame (glass fram) panel frame, mortise and tenon joint	-do-	-do-	-do-
19	Holding and supporting tools	PLANING PRACTICE Demonstration and uses of planes, setting of plane, holding, planing technic, planing face side, face	-do-	-do-	-do-

		accuracy flatness of surface, uses of straight edge, bench stopper, try-square, winding strips etc.		
20	Miscellaneous tools: Scraper oil stone, carving tools, brushes, wire gauge etc.	Demonstration and making broadening joint simple butt joint doweled joint	-do-	-do-
21	TIMBER; Introduction to timber growth of the tree. Dross section of a tree trunk, parts their formation and function Identification of timber.	-do-	-do-	Free hand sketch of trade related hand tools,
22	-do-	-do-	-do-	-do-
23	Hard and soft wood timber their varieties purpose parts of a their explanation grains in timber, components of timber, scantling buttons-planks	Corner mortise and tenon joint (through mortise)	Simplification, application of fundamental arithmetical operation to shop problem.	Importance of putting dimension on the drawing house, measure the sizes of simple parts and location of the other operational surface, using simple instruments and how to transfer the measurement etc.
24	Felling of tree- conversion of timber (method)	Hunched mortise and tenon joint	Calculating the area of square rectangle.	-do-
25	Market from of timer terms and sizes	Double mortise and tenon joint	-do-	-do-
26	Joints: Classification of wood joints and groups terms, related to wood joints	Rebate joint	-do-	-do-
27	Parallel joint or broadening joint, use and applications (butt, rebat, tongue, groove, pocket screw, secret screwed joint)	Tongue and groove joint and inserted tongue and groove joint (Grove with feather)	-do-	How to convert Isometric to oblique drawing, some practice.
28	Framing joints-uses and application: half-lap, bridle, housing, mortise and tenon joint.	Pocket screwed and secret screwed joint.	-do-	-do-

29	Angle joint-uses and applications: simple butt, rebate, dove tail joint	Housing joint: full housed joint / stopped housed joint	Percentage square root by arithmetic problem, related to trade.
30	Lengthening joint uses and application fish plate joint, scarf joint	One side dove tail housed joint	-do-
31	Wood structure, composite of wood	Double side dove tail housed joint	-do-
32	Sources of timber- Indian timber as seasonally Available Timber in the Market	Shoulder housing joint	-do-
33	-do-	Demonstration and practice making Tea tray.	-do-
34	Common uses of timber	Demonstration and practice making taper try (plain joint)	-do-
35	Identification of timber selection of wood specific job.	Demonstration and practice making wall bracket.	Preparing the estimation of cost of material of simple furniture like stool, bench, desk, table, chair, etc.
36	Properties of timber: physical properties and mechanical properties	Demonstration and practice making marking gauge.	-do-
37	-do-	Making mortise gauge	-do-
			Standard methods of section as per is 696 exercises for different

			views of the given orthographic drawing of machine parts etc,
38	Benefits of timber, qualities of good timber	Making office tray	-do-
39	Making display board	-do-	-do-
40	Making Notice board	-do-	-do-
41	Revision of all the topics done so far	-do-	-do-
42	-do-	Making Rack/meat shelf	-do-
43	-do-	-do-	-do-
44	-do-	-do-	-do-
45	ALLIED TRADE Painting and finishing Materials and etc.,	Preparation of surface scarping sanding etc. preparation putty and uses	-do-
46	-do-	Preparation of paint, painting and painting technic etc.	-do-
47	TRADE PRACTICAL Importance of safety general precautions observed in the section, Importance of the trade in the development of industrial economy of the country, all necessary guidance to be provided including stare procedures	TRADE THEORY Importance of Trade training Machinery used in the trade types of work done by the trainees in the trade instruction to safety equipment and their uses. Introduction of First and Road Safety	
48	Safety Accident privation clineer measurements-its units, scriber divider, calipers, punch, Types and their uses. Description hammers, Types "V" Blocks, marking of Table	Marking out Lines. Gripping suitable in vice jaws hack swing to given dimension	
49	<b>Bench Vice construction</b> , Care uses care and maintenance vice clamps, Hacksaw from and blades. Specification description types and their uses Hacksaw Method	Filing Channel Parallel Filing Flan, and square (Rough Finish)	
50	Marking off and layout tools scribing block, angle plate chisel-types material, angles.	Chipping – Flat surface, slots (Straight)	

51	Drill material types & parts with sizes, (Taper shank straight shank) Drill angles - cutter speed, feed R.P.M. different Materials	through holes, drill on M.S. Flat. File Raiders and Profile to suit			
52	Revising and Test.	Filing and simple fitting - Dove Tail	System of Units: British and metric system ISI systems (length, mass, time)	Free hand sketches of trade related hand tools & equipment.	
53	TIMER: seasoning of timber various methods adopted, necessity of seasoning natural and artificial processes.	Angle Joint:- Simple butt and rebated butt joint miter and rebated miter joint.	-do-	-do-	
54	-do-	Single and common dove tail joint.	-do-	-do-	
55	Advantage and disadvantages of natural and artificial seasoning, moisture content of seasoned wood (Calculate some moisture level) Moisture content in timber and its effect on timber, moisture meter oven test method.	Lapped dove tail joint, box pin joint	Preparing the cutting list of simple furniture, cost of material		
56	Defects in timber, their causes like knots twist, warp, cracks, rots, wet and dry insects holes shakes, stare hart and cup	Secret and mitered dove tail joint	-do-	-do-	
57	-do-	Splay dove tail joint	-do-	Importance of blue print reading guide line, how to read-simple blue print exercises, reading related to missing section, identification of surface symbols etc.	-do-
58	Preservation of timber, explain types qualities and application, treatment of timber.	Demonstration and making lengthening joint, End butt and end rebated with fish plate	-do-		
59	-do-	Table scarf with edge joint	-do-	-do-	
60	Wood preservations types and application	Tension /compression a cart joint	-do-	-do-	
61	Warpages desertion in timber	Bevel scarf with wedged joint	Preparing the quotation of any one artical	-do-	
	Timber used infurniture making	Racking scarf joint	-do-	-do-	

Timber used infurniture making

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-do-

← Racking scarf joint. -do-

-do-

-do-

End dove tail lap / hoof joint

Construction ellipse various methods, followed constructing simple shop method and geometrical method

Demonstration and making mallet.

-do-

-do-

Adhesive : types, manufacturing, preparation, application and uses etc.

Preparing the estimation of photo frame,

Isometric drawing and orthographic drawing and explain with blocks and proper dimension.

-do-

-do-

Making rebate plane

-do-

Ply wood: Manufacturing of different types of ply-wood, solid core stock and fibre board (hard board) standard sizes. Veneer manufacturing, specification and different uses.

Making ball bearing burmma, (Country Drill)

-do-

Lamination sheet: Method of manufacture uses advantage and uses and application.

Small Box with sun mica

Preparing the estimation of tray

-do-

-do-

Bath room shelf with paint finish

-do-

Wood working machines: Safety precautions to be observed while operating the various machine and their uses.

Bath room/Kitchen stool

-do-

Explaining in detail band saw their construction and operating method. Safety to be observed maintenance of the machine and sharpening fixing the blade and their uses

Making corner stand,

Preparing the estimation of Kitchen stool

-do-

-do-

Making small size mosquitos frans

-do-

Making stool (straight legged)

Making tapered legged

-do-

Explaining in details of circular

Preparing the estimation of

-do-

	saw machine and their construction parts, uses, setting and sharpening the saw	stool	stool	
75	-do-	Simple furniture: Photo frame with mitered halving joint with simple Cornish (moulding work)	-do-	-do-
76	Explaining in detail surface and thickness planner and their parts, uses, grinding and sharpening fixing the blades and safety.	Photo frame with corner mortise and tenon with mitered joint with simple cornish	-do-	-do-
77	-do-	Making steel with slant legs.	Preparing the estimation of sitting banch (with 4 legs)	-do-
78	Wood turning lathe with turning tools – parts specification-uses and safety precaution	Making meter box with small glass to read meter	-do-	-do-
79	-do-	Making victory stand	-do-	-do-
80	Jig saw or scoral saw: Parts, specification uses safety precaution	Sitting bench (two seated) to use class room.	-do-	-do-
81	-do-	Desk to use above class room	-do-	-do-
82	Abrasive: types. Materials, grades and application.	Making baby sitting bench with back	Desk with 4 legs	-do-
83	-do-		do	-do-
84	Preparation of good surface scraping, grain filling, sanding, waxing, polishing etc.	Sitting bench with 6 legs to class room.	Baby sitting bench with back	-do-
85	-do-	Desk to use above bench	-do-	-do
86	Wood finishing materials: Preparation of polish varnish, wax, stains, putty, etc.,	Sitting bench with y legs to class room	Baby sitting bench with back,	-do-
87	-do-	Telephone stand simple model	-do-	All types of mortise and tenon joint, Draw Isometric drawing

88	Cabinet hardwires: different types of nails, screws, bolts, and nuts their uses, method of use specification	Demonstration and marking and fitting lock. Hinges, handle, door stopper, tower bolts etc.	-do-	-do-
89	-do-	-do-	-do-	-do-
90	-do-	-do-	-do-	-do-
91	Inlying material used: selling unit, materials, various types of lyings, models materials and their uses. method of inlying	Repairing practice: repair and recondition of all types of furniture	Long desh	-do-
92	-do-	-do-	-do-	-do-
93	Different types of locks. Different modals, uses of lock, fitting and repairing.	-do-	-do-	Drawing in details simple furniture
94	-do-	Preparation of surface use toothing plane, for knotty inter locked across gained timber, scraping, sanding etc., Preparation putty and uses,	Preparation the estimation of student chair	-do-
95	Other fitting materials like tower bolts, casers, catches, bandles, knobs etc.,	Construction of basic joints related with building construction	-do-	-do-
96	-do-	-do-	-do-	-do-
97	Design of simple furniture, furniture different purpose standard size.	Construction of different types of door/ shutter, and door frame (ledged, ledged, braced, paneled, glazed, flush door)	-do-	-do-
98	-do-	-do-	-do-	-do-
99	<i>Design modern furniture for</i> different purpose, standard and size	Construction of different types of window shutter and window frame	-do-	-do-
100	-do-	-do-	-do-	-do-
101	Revision of all the topics sp far	Construction of venti9lator.	-do-	-do-
102	-do-	Roof trusses such as king post and queen	-do-	-do-



103	-do-	post roof trusses (including lay out) Simple floor construction	Preparing, estimation for repairing – a given furniture in which all the joints have become loose and rickety and recover	Revision to given better skills and accuracy,
104	-do-	Construction of partition	-do-	-do-
105	Explaining in details of spindle molder machine and their uses, using different types of moulding cutters, graining and fixing to the spindle or square and round blocks.	Confronting the various wood working machinery to the trainee. Explaining to the trainee. Explaining to them the function of each machine. Method of starting and stopping them, safety precaution to be observed in operating the machine. Cutting practice in circular saw use practice the machine use of push stick while completing the cut. And sharpening and setting the blade.	Estimation a partition work with A.C sheet and country wood etc.	Free hand sketches of carpentry machines with tools and carpentry hand tools.
106	Explaining drilling, mortise and grinding machines, different types of holes, mortise and method of uses grinding machine, and method of grinding all types of blades and cutter and drill bits.	Given practice in handling surface and thickness plane machine. Sharpening the blade fixing the blades, functioning of the machine, planning face side and face edge and planning proper within and thickness.	-do-	-do-
107	-do-	Method of grinding circular saw surface and thickness plane	-do-	-do-

		blade and different types of spindle moulder cutters.	
108	Introduction about carpentry in building construction	Given practice iun handling moulder machine, Different types of cutting mouldings, plaining of thickness, rebating, grooving, tanning and plaining curves etc.	-do-
109	Terms related to the joinery.	Simple cuttings rounds corves brackets and cutting straightness, brazing and jointing the blade to the band saw machine.	-do- Estimation a wall cup-board frame with double door, teak wood with nova pan board
110	-do-	Turning:- Selecting and sharpening the turning tools explaining briefly each tools in different types of work like plain, turning, chisel handle, file handle chair, table legs, etc.	-do-
111	Roof: Pitch roof, flat, roof, shed roof, gable roof, hip roof, combined roof, etc.	Mortising machine: Using different mortise like chain mortise, chisel mortise, using of chain and square cutter, grinding fixing setting and mortising properly.	-do-
112	-do-	Demonstration and make lay out of different furniture . Teachers Table to use class Room	-do-
113	Trusses: Ling post truss. Queen post truss, bell post truss, gothic	Teachers Chair (Backing use band)	-do-

114	and pitch, span, rise, run etc. -do-	Telephone stand with turned leg used as a castor to use in office in side of the table	-do-	-do-
115	Member used in pitched roof and standard size	Single drawer table making with lap-dove tail joint fixing lock and handle.	-do-	-do-
116	-do-	-do-	-do-	-do-
117	Roofing material: tiles, thatches, corrugated sheet etc.	Simple model. T.V. stand with ply wood, sun mica finish	-do-	More detail of blue print reading missing dimension, missing lines, missing section etc.
118	-do-	-do-	-do-	-do-
119	Door frame, door, window frame, ventilators their shutters, and varandha frames, plank, glass and mesh fittings, types, standard size materials used.	Making wooden pane (Jack plane and smoothing plane etc)	Estimation a wooden allomorph, inside two drawer, with double door	-do-
120	-do-	-do-	-do-	Drawing detail of all types dove tail joint isometric and oblique.,
121	-do-	-do-	-do-	-do-
122	-do-	Making white Board Markes	-do-	-do-
123	Making and preparing arched semi-circular frames and entrance and provide door frames, and ventilators	Making wooden pane	-do-	-do-
124	-do-	Small cup-board with double door	-do-	-do-
125	-do-	-do-	-do-	Drawing in detail of all modern furniture, Isometric and oblique drawings, and orthograph sectional views.
126	Explaining in detail floor boards their necessity. Construction, maintenance method of	-do-	-do-	-do-

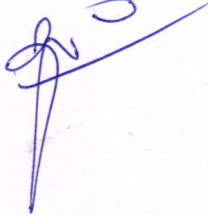
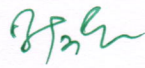
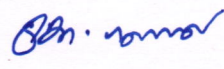
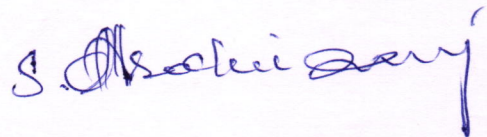
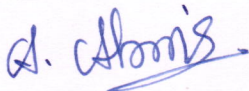
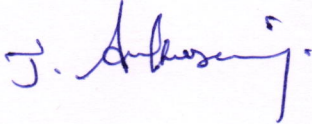
	preservation, of the bottom structure, various, methods adopted				
127	-do-	Do		Office table: four drawer, other side one drawer and cupboard with shelf, top plywood sun-mica finish	-do-
128	Explanation of woodem equipment like bullack carts, their body designing, manufacture of wheel, spring and axeles. Description yoke etc. Maintenance repairs explanation timber used for various parts.	Dressing table		-do-	-do-
129	-do-	-do-		-do-	-do-
130	Wooden stairs: types and sizes	-do-		-do-	-do-
131	-do-	Dressing Stool		-do-	-do-
132	-do-	Wall cupboard with paneling double door. Fixing lock handle etc		do	do
133	Terms related to chair and chair case	-do-		-do-	-do-
134	do	-do-		do	do
135	Wooden ceiling members used	Office table with drawers, and cup board		Estimate a dressing Table : 3+1 drawer one cup board with ling mirror, ply wood sunica finish	-do-
136	Wooden ceiling members used	-do-		-do-	-do-
137	Plaining of paneling work and interior decoration in hall, hotel, house, office	-do-		Estimate a 8 seated dining table sun mica finish with chairs	-do-
138	-do-	-do-		-do-	-do-
139	Study of modern ornamental fittings and specific uses.	T.V. cabinet ply wood sun mica finishing simple modle		-do-	-do-
140	-do-	-do-		-do-	-do-
141	Study of mern furniture, designing standard sizes, used and finishings.	Small show-case all side glass fixing except bottom		-do-	Preparation of clear drawing stair cases, different designs to the drawn:

142	-do-	-do-	Estimate a office cabinet : wood, ply wood, with summica finish	-do-	-do-
143	-do-	Computer table: Ply wood with sun mice finishing	-do-	-do-	-do-
144	-do-	Dining chair frond and back turned legs.	Estimate in four shutter window frame which glassed shutter, paint finish	-do-	-do-
145	-do-	Dining table turned legs	-do-	-do-	-do-
146	-do-	Single	-do-	-do-	-do-
147	-do-	do	do	do	do
148	-do-	-do-	Estimate a door frame with double door	-do-	Preparation of detail in roofs and trusses
149	Maintenance and machanisms of wood working machineries	Window frame with shutter, fitting and fixing hinges and glass wooden door stopper hook & eye etc.	-do-	-do-	do
150	-do-	do	-do-	-do-	do
151	-do-	-do-	do	-do-	-do-
152	Study of ordering materials for specific job; wood, plywood lamination and cabinet hardwares.	Door frame with door, fitting the door, hinges fitting, fitting the lock, handle, door, stopper, etc.	Revision of addition, subtraction, multiply, division, fraction, square roofs, % etc.	Revision of different drawing.	Revision of different drawing.
153	Revision for the above	-do-	-do-	-do-	-do-
154	-do-	Achievement test- utilized jobs	Revision of selecting wood preparing cutting list, calculating of ply, hard- board, mica, glass, A.C.	Revision of selecting wood preparing cutting list, calculating of ply, hard- board, mica, glass, A.C.	-do-
155	-do-	Sheet and estimate of above material	Sheet and estimate of above material	-do-	-do-
156	-do-	-do-	-do-	-do-	-do-

### ACHIEVEMENT:-

1. Trainees should to able to make simple fitting work related with carpentry wood work.
2. Trainees should to able to identify, select and use the types of timber.
3. Trainees will be familiar with the operation of the wood working machines.
4. Trainees are able to finish different types of furniture with staining, warnishing and polishing.
5. Trainees are able to do the self employment individually.

LIST OF COMMITTEE MEMBERS FOR THE  
TRADE CARPENTRY AND CABINET MAKING

Sl.No.	Members and Experts	Signature
1.	K. Panneerselvam, Regional Joint Director of Training Chennai Region Guindy, Chennai	
2.	B. Musthafa, Deputy Director/Principal, Govt. Industrial Training Institute, North Chennai, Chennai 600 021	
3.	G. Elumalai Asst. Trg. Officer, Govt. Industrial Training Institute, North Chennai.	
4.	S. Arockiasamy Trg. Officer, St. Sebastian ITC, Madhavaram	
5.	A.Alexis Gilbert Raj Trg. Officer St.Joseph IS, Katpadi	
6.	J. Arokia Samy Trg. Officer, Don Bosco IS, Polur	
7.	E. Rajini Instructor, Don Bosco IS, Vysarpadi	