







Model Curriculum

Lead Furniture Maker-Bamboo (Option: Round Bamboo Furniture Maker)

SECTOR: FURNITURE & FITTINGS

SUB-SECTOR: Cane and Bamboo Furniture

OCCUPATION: Furniture Making

REF ID: FFS/Q4102, V1.0

NSQF LEVEL: 4















Certificate

CURRICULUM COMPLIANCE TO QUALIFICATION PACK – NATIONAL OCCUPATIONAL STANDARDS

is hereby issued by the

FURNITURE & FITTINGS SKILLS COUNCIL

for

MODEL CURRICULUM

Complying to National Occupational Standards of

Job Role/ Qualification Pack: 'Lead Furniture Maker-Bamboo (Option: Round Bamboo Furniture Maker)'

QP No. 'FFS/Q4102 NSQF Level 4'

Date of Issuance: August 22nd, 2019

Valid up to*: September 22nd, 2022

*Valid up to the next review date of the Qualification Pack

Authorized Signatory (Furniture & Fittings Skill Council)









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Lead Furniture Maker- FFSQ4102

CURRICULUM / SYLLABUS

This program is aimed at training candidates for the job of a "Lead Furniture Maker- Bamboo (Option: Round Bamboo Furniture Maker) <u>FFS/Q4102</u>", in the "<u>Furniture & Fittings</u>" Sector/Industry and aims at building the following key competencies amongst the learner.

Program Name	Lead Furniture Maker-I (Option: Round Bambo		02
Qualification Pack Name & Reference ID	FFS/Q4102, v1.0		
Version No.	1.0	Version Update Date	12-07-2017
Pre-requisites to Training	Class VIII		
Training Outcomes	Perform his/ It importance of the industry, potential He/she will make Identify basic effectively idented equipment relevance. Carry out the Company out the improcess the idented end of the improcess the idented end of the improcess the given making the final Maintain the appropriately used the improcess with heal equipment safety.	work area, tools and e e tools, equipment and organionment, health and safety: th and safety measures in telly y with others: He/she will w	stand the job role, bect to the furniture paker in the industry. It do bamboo products. It materials: He/she specified tools and sessing of bamboo: It do bamboo the designs/ sketches is of the bamboo of parts/ components wes, fixtures etc. for sequipment: He/she are the work area He/she will get well rms of personal and









This course encompasses $\underline{5}$ out of $\underline{5}$ Compulsory NOS (National Occupational Standards), $\underline{2}$ out of $\underline{2}$ Optional NOS of "Lead Furniture Maker-Bamboo (Option: Round Bamboo Furniture Maker) - FFS/Q4102" Qualification Pack issued by "Furniture & Fittings Skill Council".

Sr No	Module	Key Learning Outcomes	Equipment required
1	Introduction Theory Duration (hh:mm) 08:00 Practical Duration (hh:mm) 00:00 Corresponding NOS Code Bridge Module	 Maintain discipline in the class room Explain the role of a Lead Furniture Maker-Bamboo and its job opportunities Explain scope of furniture & fittings industry 	1XBlackboard, chalk, 2 packet, duster 1 pc.
2	Understanding the organizational context/ company/ employer Theory Duration (hh:mm) 08:00 Practical Duration (hh:mm) 00:00 Corresponding NOS Code FFS/N4103	 Acquire knowledge to understand the codes, standards, policies, manuals, rules and regulation of the organization Contact the concerned persons in case of queries on procedures, products, any problem Explain the escalation procedure within organization 	1XBlackboard, chalk 2 packet, duster 1 pc.
3	Ensuring health and safety at workplace Theory Duration (hh:mm) 04:00 Practical Duration (hh:mm) 04:00 Corresponding NOS Code FFS/N8601	 Work safely by complying relevant guidelines Assess the worksite for any possible health and safety hazards Follow instructions of manufacturer related to safe use of materials specifically chemicals and power equipment Ensure safe handling and disposal of waste and debris Identify and report of any hazards and potential risks to supervisor or other authorized personnel Undertake first aid activities in case of any accident Demonstrate use of appropriate personal protective equipment 	1XBlackboard, chalk 2 packet, duster 1 pc. Personal protective equipment gloves, safety shoes, earplugs, goggles, nose mask, first aid, different types of fire extinguisher









		compatible to the work and compliant to relevant occupational health and safety guidelines • Maintain correct body posture while standing and working for long hours and also while carrying heavy materials • Know about lifting, carrying or moving heavy wooden furniture and accessories from one place to another using appropriate safe working practices • Handle all required tools, machines, materials and equipment safely • Adhere to relevant occupational safety procedures while handling sharp tools, glass, heavy wood, and chemicals • Apply good housekeeping practices always by keeping the work area tidy • Report of accident to authorized person	
4	Dealing with emergencies Theory Duration (hh:mm) 04:00 Practical Duration (hh:mm) 04:00 Corresponding NOS Code FFS/N8601	 Follow appropriate procedure in case of fire Follow the electrical safety measures while working with electrical power tools and equipment Follow the evacuation procedure in the event of an emergency or an accident, fire, natural calamity Check and ensure general health and safety equipment are available at site Describe the use of general health and safety equipment Comply with restrictions imposed on harmful chemicals during working hours Know the correct rescue techniques during fire hazard Demonstrate good housekeeping in order to prevent any accident Demonstrate the correct use of a fire extinguisher Respond promptly and appropriately to an accident situation or medical emergency Know the methods of accident prevention in the working area 	1XBlackboard, chalk 2 packet, duster 1 pc Personal protective equipment gloves, safety shoes, earplugs, goggles, nose mask, first aid, different types of fire extinguisher Gloves, safety shoes, earplugs, goggles, nose mask
5	Interaction with seniors Theory Duration (hh:mm) 04:00	 Seek and obtain clarifications on policies from the supervisor or other authorized personnel Identify and report any deviations to appropriate authority Address the problems effectively and report if required to immediate 	1XBlackboard, chalk 2 packet, duster 1 pc









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	Practical Duration (hh:mm) 04:00 Corresponding NOS Code FFS/N8801	 Seek instructions from supervisor and respond effectively on the same Follow escalation matrix in case of any grievance 	
6	Work effectively Theory Duration (hh:mm) 04:00 Practical Duration (hh:mm) 04:00 Corresponding NOS Code FFS/N8801	 Coordinate and cooperate with colleagues to achieve work objectives Display courteous behaviour Respond politely to customer queries and team members Follow dress code at work place Keep work area in a tidy and organized manner Adhere to timeline and quality standards Follow organizational policies and procedures Share information with team wherever and whenever required to enhance quality and productivity at work place Work together with co-workers in a synchronized manner Communicate with others clearly, at a pace and in a manner that helps them to understand Show respect to others and their work Display active listening skills while interacting with others at work 	1XBlackboard, chalk 2 packet, duster 1 pc
7	Understanding the work requirement Theory Duration (hh:mm) 08:00 Practical Duration (hh:mm) 04:00 Corresponding NOS Code FFS/N4103	 Obtain job instructions from responsible personnel Follow the client requirement Confirm that the given instructions and design are complete and correct Plan out an efficient sequence of work as per the job requirement and specification 	1XBlackboard, chalk 2 packet, duster 1 pc
8	Prepare work area for bamboo furniture making Theory Duration (hh:mm) 04:00	 Read and understand the instructions and designs Obtain appropriate materials and tools suitable to carry out marking activities Find any shortage or defect of tools and materials and communicate to the concerned person 	1XBlackboard, chalk 2 packet, duster 1 pc Hand Tools: dado, chisel set, dropping knife, width seizers, scissors, hammer, round planer/









	Practical Duration (hh:mm) 12:00 Corresponding NOS Code FFS/N4103	 Check the selected tools and machines Inspect bamboo visually for any defects Check bamboo for treatment against insects, fungus and other weather exposures Check the bamboo for any splits that can affect the furniture strength and making process 	knot remover, scrapper, blow torch, thicknesser, hand plane, V-shaped knifer, pointed knife, mallet, wood saw, hacksaw, pliers, hand drill, bits, sand container, pencil, marker, measuring tape, steel rule etc. Power Tools: power saw, power drill, hand cutting machine, hand splicer, surface planer, trowel, tumbler, etc. Material: treated bamboo of required diameter, adhesive, sand paper, nails, cane (3-4 mm for binding), wood pegs, bending wire, nut bolt etc. Personal protective equipment Gloves, safety shoes, earplugs, goggles, nose mask etc.
9	Read and interpret sketches, drawings and designs Theory Duration (hh:mm) 08:00 Practical Duration (hh:mm) 24:00 Corresponding NOS Code FFS/N4103	 Interpret the details from drawings relevant to furniture making Interpret manufacturer's specification of material and its uses 	1XBlackboard, chalk 2 packet, duster 1 pc
10	Prepare cost estimates Theory Duration (hh:mm) 08:00 Practical Duration (hh:mm) 16:00	 Interact with client to decide on procurement of material Finalize the cost considering furniture styles, durability, patterns, comfort, and appearance Prepare and provide cost estimate to the client after evaluating various factors 	1XBlackboard, chalk 2 packet, duster 1 pc









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	Corresponding NOS Code FFS/N4103		
11	Measuring, marking and cutting bamboo Theory Duration (hh:mm) 08:00 Practical Duration (hh:mm) 28:00 Corresponding NOS Code FFS/N4104	 Understand the correctness of instructions and design Get appropriate materials and tools suitable to carry out marking activities Identify the surfaces and dimensions as per the drawing Take the size of the furniture component from the design Make marks as per drawing specification Hold the pieces correctly to take measurements Calculate height and width as per design Carry out marking activities using templates Cut bamboo culms in different sizes using cutting machine as per markings and design specification Minimise waste by following correct cutting techniques 	1XBlackboard, chalk 2 packet, duster 1 pc, pencil, pen, ruler, bamboo pieces Hand Tools: dado, chisel set, dropping knife, width seizers, scissors, hammer, round planer/knot remover, scrapper, blow torch, vice, grinder, , hand plane, V-shaped knife, pointed knife, mallet, wood saw, hacksaw, pliers, hand drill and bits, sand container, pencil, marker, measuring tape, steel rule, staple gun etc. Power Tools: power saw, power drill, hand cutting machine, hand splicer, surface planer, trowel, tumbler, etc. Material: e.g. treated bamboo of required diameter, adhesive, sand paper, nails, cane (3-4mm for binding), wood pegs, bending wire, nut bolt etc. Personal protective equipment Gloves, safety shoes, earplugs, goggles, nose mask etc.
12	Making bamboo furniture components Theory Duration (hh:mm) 04:00 Practical Duration (hh:mm) 34:00 Corresponding NOS Code FFS/N4104	 Learn use of power tools and carry material suitable for the given tasks Procure material as per furniture component requirement and design specification Make different furniture components from bamboo Make leg poles by using appropriate technique Make bent mortise using appropriate technique Make surface support battens from bamboo culms of appropriate thickness for strength as per design specification 	1XBlackboard, chalk 2 packet, duster 1 pc, pencil, pen, ruler, bamboo pieces Hand Tools: dado, chisel set, dropping knife, width seizers, scissors, hammer, round planer/knot remover, scrapper, blow torch, vice, grinder, , hand plane, V-shaped knife, pointed knife, mallet, wood saw, hacksaw, pliers, hand drill and bits,









	Make flattened bamboo surface mat board manually using appropriate technique	sand container, pencil, marker, measuring tape, steel rule, staple gun etc. Power Tools:. power saw, power drill, hand cutting machine, hand splicer, surface planer, trowel, tumbler, etc. Material: e.g. treated bamboo of required diameter, adhesive, sand paper, nails, cane (3-4mm for binding), wood pegs, bending wire, nut bolt etc. Personal protective equipment Gloves, safety shoes, earplugs, goggles, nose mask etc.
Theory Dura (hh:mm) 04:00 Practical Du (hh:mm) 28:00 Correspondi NOS Code FFS/N4104	components of bamboo to assemble bamboo furniture like plug joint, pin joint, U-cut joint, C-shaped joint, flat spokes, round spokes etc. Make joints pin for furniture joining Make bamboo plugs to be used for joining that tightly fit in the cavity of the leg poles Make pointed bamboo nails for furniture joining by tapering the	1XBlackboard, chalk 2 packet, duster 1 pc, pencil, pen, ruler, bamboo pieces Hand Tools: e.g. dado, chisel set, dropping knife, width seizers, scissors, hammer, round planer/knot remover, scrapper, blow torch, vice, grinder, , hand plane, V-shaped knife, pointed knife, mallet, wood saw, hacksaw, pliers, hand drill and bits, sand container, pencil, marker, measuring tape, steel rule, staple gun etc. Power Tools: e.g. power saw, power drill, hand cutting machine, hand splicer, surface planer, trowel, tumbler, etc. Material: e.g. treated bamboo of required diameter, adhesive, sand paper, nails, cane (3-4mm for binding), wood pegs, bending wire, nut bolt etc.









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	 various joining techniques Fix the batons to the frame using nails, preferably made of bamboo Assemble back rest and back rest support Sand the surface for smoothness Seal the joints neatly with glue/adhesive
14 Quality check at different stages of bamboo furniture making (hh:mm) 04:00 Practical Duration (hh:mm) 28:00 Corresponding NOS Code FFS/N8401	 Check and use raw material as per the specified quality standards Identify defects and communicate to the appropriate personnel Check for any irregularities like splinters, protruding nails, cracks and unwanted cavities Check for symmetry and right angles Check for structural strength by applying load on furniture made Identify amendable or adjustable defects and modify them Carry out quality checks at specified intervals according to instructions Check and ensure that the final finish of the product is as per client requirement and design specification Take appropriate action for fault rectification Check for appropriate moisture content in bamboo for quality processing Check the quality of mat boards prepared
COMPULSORY NOS: Total Duration 270:00 Theory Duration 80:00 Practical Duration 190:00	 Unique Equipment Required for the QP: 1XBlackboard, Chalk 2 Packet, Duster 1 pc Personal protective equipment, gloves, earplugs, goggles, nose mask, safety shoes, measurement tools, planning tools, Sawing tools, testing tools, chipping tools, holding tools, boring tools Hand Tools: dado, chisel set, dropping knife, width seizers, scissors, hammer, round planer/knot remover, scrapper, blow torch, vice, grinder, , hand plane, V-shaped knife, pointed knife, mallet, wood saw, hacksaw, pliers, hand drill and bits, sand container, pencil, marker, measuring tape, steel rule, staple gun etc. Power Tools: power saw, power drill, hand cutting machine, hand splicer, surface planer, trowel, tumbler, etc. Material: e.g. treated bamboo of required diameter, adhesive, sand paper, nails, cane (3-4mm for binding), wood pegs, bending wire, nut bolt etc.









OPTIONS (Optional to choose any or all or none) OPTION 1: Round Bamboo Furniture Maker

Sr No	Module	Key Learning Outcomes	Equipment required
1	Understanding the work requirement Theory Duration (hh:mm) 02:00 Practical Duration (hh:mm) 04:00 Corresponding NOS Code FFS/N4101	Analyse job instructions Analyse the client requirement Confirm that the given instructions and design are complete and correct Plan out an efficient sequence of work as per the job requirement and specification	Hand Tools: Dado, chisel set, dropping knife, width seizers, scissors, hammer, round planer/knot remover, scrapper, blow torch, vice, grinder, , hand plane, V-shaped knife, pointed knife, mallet, wood saw, hacksaw, pliers, hand drill and bits, sand container, pencil, marker, measuring tape, steel rule, staple gun etc. Power Tools: Power saw, power drill, hand cutting machine, hand splicer, surface planer, trowel, tumbler, etc. Other tools: Bamboo cross cutting machine, hand held bamboo splitter, hot air gun, edge trimmer machine, stand drill machine, stand zig saw, chalk liner etc Material: Treated bamboo of required diameter, adhesive, sand paper, nails, cane (3-4mm for binding), wood pegs, bending wire, nut bolt
2	Prepare work area for furniture making Theory Duration (hh:mm) 02:00 Practical Duration (hh:mm) 04:00	 Obtain appropriate hand tools, power tools and material suitable to carry out the given tasks Report on any shortage or defect of tools and materials to the concerned person before commencement of work Check that the selected tools & machines are in safe working condition and ready for use Check the bamboo for treatment against insects, fungus and other weather exposures 	Hand Tools: Dado, chisel set, dropping knife, width seizers, scissors, hammer, round planer/knot remover, scrapper, blow torch, thicknesser, hand plane, V-shaped knifer, pointed knife, mallet, wood saw, hacksaw, pliers, hand drill, bits, sand container, pencil, marker,









	Corresponding NOS Code FFS/N4101	 Check the bamboo for any splits that can affect the furniture strength and its making process Apply approved procedures to inspect bamboo visually for any possible defects as per required standard parameters prior to work 	measuring tape, steel rule etc. Power Tools: Power saw, power drill, hand cutting machine, hand splicer, surface planer, trowel, tumbler, etc. Other tools: Bamboo cross cutting machine, hand held bamboo splitter, hot air gun, edge trimmer machine, hand engraver machine, stand drill machine, stand zig saw, chalk liner etc Material: Treated bamboo of required diameter, adhesive, sand paper, nails, cane (3-4 mm for binding), wood pegs, bending wire, nut bolt etc. Personal protective equipment Gloves, safety shoes,
3	Read and interpret sketches, drawings and designs Theory Duration (hh:mm) 04:00 Practical Duration (hh:mm) 08:00 Corresponding NOS Code FFS/N4101	 Interpret the details from design/ drawings relevant to furniture making Interpret manufacturer's specification of material and its uses 	earplugs, goggles, nose mask etc.
4	Prepare cost estimates Theory Duration (hh:mm) 04:00	 Interact with client to decide on procurement of material Finalize the cost considering furniture styles, durability, patterns, comfort, and appearance Prepare and provide cost estimate to the client after evaluating various 	









	Practical Duration	factors	
	(hh:mm) 12:00	factors	
	Corresponding NOS Code FFS/N4101		
5	Carry out marking activities Theory Duration (hh:mm) 04:00 Practical Duration (hh:mm) 08:00 Corresponding NOS Code FFS/N4102	 Read and confirm that the given instructions and design are correct Collect appropriate materials and tools suitable to carry out marking activities Identify the surfaces and dimensions as per the drawing Take the size of the furniture component from the design and mark the same on bamboo culms Make markings using pencil and ruler or measuring tape as per drawing specification Hold the pieces correctly to take measurements Calculate height and width as per design Carry out marking activities using templates Carry out markings to guide activities of subordinates for cutting 	
6	Making round bamboo furniture Theory Duration (hh:mm) 04:00 Practical Duration (hh:mm) 10:00 Corresponding NOS Code FFS/N4102	 Select appropriate hand tools, power tools and material suitable to carry out the given tasks Procure material as per furniture component requirement and design specification Cut bamboo culms in different sizes using cutting machine as per markings and design specification Check and ensure that the cut pieces are as per given specification and quality Minimize waste by following correct cutting techniques Drill holes in bamboo as per design specification using drill machine Make furniture frame by inserting frame rails into drilled holes Join furniture frame using adhesive and pegs Assemble furniture components using hollow bamboo joining technique Perform binding of joints using cane and nail fitting Join bamboo using different lashing techniques Weave the seat, back and other parts 	Hand Tools: Dado, chisel set, dropping knife, width seizers, scissors, hammer, round planer/knot remover, scrapper, blow torch, vice, grinder, , hand plane, V-shaped knife, pointed knife, mallet, wood saw, hacksaw, pliers, hand drill and bits, sand container, pencil, marker, measuring tape, steel rule, staple gun etc. Power Tools: Power saw, power drill, hand cutting machine, hand splicer, surface planer, trowel, tumbler, etc. Other tools: Bamboo cross cutting machine, hand held bamboo splitter, hot air gun, edge trimmer machine, hand engraver machine, stand









		as per design requirement	drill machine, stand zig saw, chalk liner etc Material: treated bamboo of required diameter, adhesive, sand paper, nails, cane (3-4mm for binding), wood pegs, bending wire, nut bolt etc. Personal protective equipment: Gloves, safety shoes, earplugs, goggles, nose mask etc.
7	Finishing Theory Duration (hh:mm) 04:00 Practical Duration (hh:mm) 08:00 Corresponding NOS Code FFS/N4102	 Remove or chisel of the surplus material to get a smooth surface using appropriate tools Fill any cracks or unwanted cavities with the mix of saw dust and glue Sand the surface for smoothness 	Hand Tools: Dado, chisel set, dropping knife, width seizers, scissors, hammer, round planer/knot remover, scrapper, blow torch, vice, grinder, , hand plane, V-shaped knife, pointed knife, mallet, wood saw, hacksaw, pliers, hand drill and bits, sand container, pencil, marker, measuring tape, steel rule, staple gun etc. Power Tools: Power saw, power drill, hand cutting machine, hand splicer, surface planer, trowel, tumbler, etc. Material: e.g. treated bamboo of required diameter, adhesive, sand paper, nails, cane (3-4mm for binding), wood pegs, bending wire, nut bolt etc. Personal protective equipment apron, gloves, safety shoes, earplugs, goggles, nose mask etc. Buffing wheel, hand buff, wax polish clothe, oil pad, lacquer spray gun, paint brush, roller coating etc









8	Working Safely Theory Duration (hh:mm) 04:00 Practical Duration (hh:mm) 08:00 Corresponding NOS Code FFS/N4102	 Return all the used tools and materials safely to the appropriate personal Work safely at all times, complying with health and safety legislation, regulations and other relevant guidelines Sit and work with correct body posture while working for long hours and carrying heavy materials Select and use appropriate personal protective equipment compatible to the work and compliant to relevant occupational health and safety guidelines Work safely while working with electrically powered tools & equipment
	Option 1:	Unique Equipment Required for the QP:
	Total Duration: 90 hours Theory Duration: 28 hours Practical Duration: 62 hours	Personal protective equipment: Gloves, earplugs, goggles, nose mask, safety shoes, measurement tools, planning tools, Sawing tools, testing tools, chipping tools, holding tools, boring tools Hand Tools: dado, chisel set, dropping knife, width seizers, scissors, hammer, round planer/knot remover, scrapper, blow torch, vice, grinder, , hand plane, V-shaped knife, pointed knife, mallet, wood saw, hacksaw, pliers, hand drill and bits, sand container, pencil, marker, measuring tape, steel rule, staple gun etc. Power Tools: power saw, power drill, hand cutting machine, hand splicer, surface planer, trowel, tumbler, etc. Material: e.g. treated bamboo of required diameter, adhesive, sand paper, nails, cane (3-4mm for binding), wood pegs, bending wire, nut bolt etc. Other tools: Bamboo cross cutting machine, hand held bamboo splitter, hot air gun, edge trimmer machine, hand engraver machine, stand drill machine, stand zig saw, chalk liner, buffing wheel, hand buff, wax polish clothe, oil pad, lacquer spray gun, paint brush, roller coating etc
	Grand Total	Unique Equipment Required for the QP:
	Duration Minimum duration for the QP= 270 hrs Theory: 80 hrs Practical: 190 hrs Maximum duration for the QP= 360 hrs Theory: 108 hrs Practical: 252 hrs	Personal protective equipment: Gloves, earplugs, goggles, nose mask, safety shoes, measurement tools, planning tools, Sawing tools, testing tools, chipping tools, holding tools, boring tools Hand Tools: dado, chisel set, dropping knife, width seizers, scissors, hammer, round planer/knot remover, scrapper, blow torch, vice, grinder, , hand plane, V-shaped knife, pointed knife, mallet, wood saw, hacksaw, pliers, hand drill and bits, sand container, pencil, marker, measuring tape, steel rule, staple gun etc. Power Tools: power saw, power drill, hand cutting machine, hand splicer, surface planer, trowel, tumbler, etc. Material: e.g. treated bamboo of required diameter, adhesive, sand paper, nails, cane (3-4mm for binding), wood pegs, bending wire, nut bolt etc. Other tools: Bamboo cross cutting machine, hand held bamboo splitter, hot air gun, edge trimmer machine, hand engraver machine, stand drill machine, stand zig saw, chalk liner, buffing wheel, hand buff, wax polish clothe, oil pad, lacquer spray gun, paint brush, roller coating etc

(This syllabus/ curriculum has been approved by <u>Furniture & Fittings Skill Council)</u>









Trainer Prerequisites for Job role: "Lead Furniture Maker- Bamboo (Option: Round Bamboo Furniture Maker)FFSQ4102" mapped to Qualification Pack: "FFS/Q4102"

Sr. No.	Area	Details
1	Description	To deliver accredited training service, mapping to the curriculum detailed above, in accordance with the Qualification Pack <u>"FFS/Q4102"</u> .
2	Personal Attributes	Aptitude for conducting training, and pre/ post work to ensure competent, employable candidates at the end of the training. Strong communication skills, interpersonal skills, ability to work as part of a team; a passion for quality and for developing others; well organized and focused, eager to learn and keep oneself updated with the latest in the mentioned field
3	Minimum Educational Qualifications	Minimum 10 th pass Minimum age 25 years
4a	Domain Certification	Certified for Job Role: "Lead Furniture Maker- Bamboo (Option: Round Bamboo Furniture Maker)- FFSQ4102" mapped to QP: "FFS/Q4102". Minimum accepted score 80% as per the FFSC guideline.
4b	Platform Certification	Recommended that the Trainer is certified for the Job Role: "Trainer", mapped to the Qualification Pack: "MEP/Q0102". Minimum accepted score as per respective FFSC guideline is 80%.
5	Experience	Minimum five years of experience in furniture making specially in bamboo furniture making









Annexure: Assessment Criteria

Job Role Lead Furniture Maker- Bamboo (Option: Round Bamboo Furniture Maker) FFS/Q4102 **Qualification Pack** FFS/Q4102

Sector Skill Council Furniture & Fittings Skill Council

Guidelines for Assessment

- 1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC
- 2. The assessment for the theory part will be based on knowledge bank of questions created by the SSC
- 3. Assessment will be conducted for all compulsory NOS, and where applicable, on the selected elective/option NOS/set of NOS.
- 4. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training centre (as per assessment criteria below)
- 5. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training centre based on this criteria
- 6. To pass the Qualification Pack, every trainee should score a minimum of 70% in aggregate
- 7 In case of unsuccessful completion, the trainee may seek reassessment on the Qualification Pack

Total Marks: 5	00+200=	Compulsory NOS 700	N	/larks Allo	cation	
Assessable Outcomes		Assessment Criteria	Total Marks	Out of	Theory	Skills Practical
FFS/N4103 Prepare for bamboo furniture making	PC1.	obtain job instructions from responsible personnel Job instruction: design, structural characteristics, frame instruction, durability factor, appearance, color, type of finish etc.	100	5	2	3
	PC2.	interact with supervisor in order to understand the client requirement		5	2	3
	PC3.	read and confirm that the given instructions and design are complete and correct		6	6	0
	PC4.	plan out an efficient sequence of work as per the job requirement and specification		5	5	0
	PC5.	obtain appropriate hand tools, power tools and material suitable to carry out the given tasks Hand Tools: e.g. dao, chisel set, dropping knife, width seizers, scissors, hammer, round planer/knot remover, scrapper, blow tourch, vice, grinder, thicknesser, hand plane, V-shaped knife, pointed knife, mallet, wood saw, hacksaw, pliers, hand drill and bits, sand container, pencil, marker, measuring tape, steel rule, staple gun etc. Power Tools: e.g. power saw, power drill, hand cutting machine, hand splicer,		6	0	6









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		surface planer, trowel, tumbler, shovel				
		etc.				
		Material: e.g. treated bamboo of required diameter, adhesive, sand paper, nails,				
		cane (3-4 mm for binding), wood pegs,				
		bending wire, nut bolt etc.				
	PC6.	report on any shortage or defect of tools		6	0	6
		and materials to the concerned person				
		before commencement of work			1	
	PC7.	check that the selected tools & machines		5	0	5
		are in safe working condition and ready				
	DC0	for use		7	0	7
	PC8.	check the bamboo for treatment against insects, fungus and other weather		'	0	'
		exposures				
	PC9.	check the bamboo for any splits that can		7	0	7
		affect the bamboo furniture strength and				-
		its making process				
	PC10.	use approved procedures to inspect		6	3	3
		bamboo visually for any possible defects				
		as per required standard parameters				
		prior to work				
		Defects: splinters, cracks, unwanted				
		cavities, exposed to fungus or any other				
		insects, size/diameter variation, waviness, etc.				
	PC11.	read and interpret the details from		6	6	0
		design/drawings relevant to bamboo				
		furniture making				
	PC12.	read and understand manufacturer's		6	6	0
		specification of material and its uses			1	
	PC13.	identify the surfaces and dimensions as per the drawing		6	0	6
	PC14.	read and understand the scope of work		6	6	0
	PC15.	interact with client to decide on the procurement of material		6	0	6
	PC16.	suggest cost to the client considering		6	1	5
		bamboo furniture styles , durability,				
		patterns, comfort, modern appearance				
	DC47	etc.			1	
	PC17.	prepare and provide cost estimate to the		6	3	3
		client after evaluating various factors Various Factors: type of furniture, type of				
		finish, cost of labour for complex design,				
		cost of raw material etc.				
			Total	100	40	60
FFS/N 4104	PC1.	read and confirm that the given		1	1	0
Make bamboo	200	instructions and design are correct			1	
furniture components	PC2.	obtain appropriate materials and tools suitable to carry out marking activities		1	0	1
	PC3.	identify the surfaces and dimensions as		1	1	0
		per the drawing				









PC4.	take the size of the bamboo furniture component from the design and mark the		1	0	1
PC5.	same on bamboo culms make markings using pencil and ruler or measuring tape as per drawing		2	1	1
PC6.	specification hold the pieces correctly to take		1	0	1
	measurements	<u> </u>			
PC7.	calculate height and width as per design		2	2	0
PC8.	carryout marking activities using templates		2	1	1
PC9.	carry out markings to guide activities of subordinates for cutting		3	0	3
PC10	 cut bamboo culms in different sizes using cutting machine as per markings and design specification 	100	3	2	1
PC11	 check and ensure that the cut pieces are as per given specification and quality 		1	0	1
PC12	 minimise waste by following correct cutting techniques 		1	1	0
PC13	 take safety precautions while carrying out cutting activities 		1	1	0
PC14	use appropriate hand tools, power tools and material suitable to carry out the given tasks Hand Tools: e.g. dao, chisel set, dropping knife, width seizers, scissors, hammer, round planer/knot remover, scrapper, blow torch, vice, grinder, thicknesser, hand plane, V-shaped knife, pointed knife, mallet, wood saw, hacksaw, pliers, hand drill and bits, sand container, pencil, marker, measuring tape, steel rule, staple gun etc. Power Tools: e.g. power saw, power drill, hand cutting machine, hand splicer, surface planer, trowel, tumbler, sovel etc. Material: e.g. treated bamboo of required diameter, adhesive, sand paper, nails, cane (3-4mm for binding), wood pegs, bending wire, nut bolt etc.		2	2	2
PCIS	component requirement and design specification Material: treated bamboo of different diameter as per design requirement, battens made of bamboo, finished bamboo sticks, bamboo dowels etc. Component requirement: Selection of material is done in accordance with required properties like strength or flexibility that vary with different furniture components		2	1	









PC16.	bend the bamboo culms for making furniture components using appropriate method	2	0	2
	Appropriate method: fill the culms with sand; apply heat using a blow torch, in			
	proximity to the portion to be bent, Move			
	the blow torch back and forth, so as not			
	to crack the bamboo culm. Single point			
	heating should be avoided, Bend the culm			
	by applying force on opposite ends, .Cool			
	the bend of the culm with water to fix the			
	fibers, in order to maintain its position,			
	Continue to apply heating and cooling till the desired curve has been obtained.			
PC17.	make different furniture components	2	0	2
PCI7.	from bamboo culms	2	U	2
	Furniture components: leg poles, stool leg			
	support, mortise frame, bamboo or			
	wooden plugs, surface supporting			
	batterns, bamboo nails, surface strips,			
	concealing belt, flattened bamboo			
	surface, back rest support, back rest, flat			
PC18.	spokes, seat surface etc. make leg poles using appropriate	2	0	2
1010.	technique	۷	O	2
	Appropriate technique: cut the required			
	number of legs out of a single culm,			
	ensure that each leg pole has a node at			
	one end for strength reasons, check if all			
	the pieces are vertically upright and equal			
	in length, make both the cut ends			
PC19.	perpendicular to the culm length. make bent mortise using appropriate	4	0	4
PC19.	technique	4	U	4
	Appropriate technique: determine the			
	mortise groove length, mark reference			
	lines on the culm, make a template stick,			
	mark the culm using template stick, cut			
	the mortise grooves, make the double			
	pins and finally apply heat bending to bend the mortise			
PC20.	make surface support battens from	2	0	2
F C20.	bamboo culms of appropriate thickness	_	J	-
	for strength as per design specification			
	Appropriate thickness: approx. 8-10 mm			
	thickness is normally used. For special			
	cases follow the design specification			
PC21.	make flattened bamboo surface mat	2	0	2
	board manually using appropriate			
	technique Appropriate technique: split the culm in 2			
	halves, remove the inner nodes and put			
	the halves on the ground with the opened	 		









	side down, make multiple slits using an			
	axe starting from one end of the culm,			
	while crushing move towards the middle			
	of the culm and then start at other end			
	making sure that the starting point of the			
	slit is not in line with the slits made from			
	the other side, after making the bamboo			
	_			
	flat, glue it to a veneer ply, cut the crushed bamboo surface into desired			
	shape and size for their application			
PC22.		4	0	4
PC22.	follow appropriate process of nailing in	1	0	1
	bamboo while making furniture			
	Appropriate process: nailing without pre-			
	boring frequently results in splitting.			
	moreover, nails tend to become loose			
	with time and may also corrode, both			
	increase the risk of fungal attack			
PC23.	make different kinds of joinery	4	1	3
	components of bamboo to assemble			
	bamboo furniture			
	Joinery components: plug joint, pin joint,			
	U-cut joint, C-shaped joint, flat spokes,			
	round spokes etc.			
PC24.	make joints pin for bamboo furniture	4	1	3
	joining			
PC25.	make bamboo plugs to be used for joining	4	1	3
	that tightly fit in the cavity of the leg			
	poles			
PC26.	make pointed bamboo nails for furniture	4	1	3
	joining by tapering the bamboo			
PC27.	make dowels of bamboo or wood for	4	1	3
	assembling furniture	•	_	
PC28.	make different kind of bamboo joints and	4	1	3
1 020.	connections	•	_	
	Different joints: tongue and groove joint,			
	male and female joint, bolt fastening			
	joint, Over lapping joint, Horizontal joints			
	Vertical joint, double butt bent joint, etc.			
	Connections: friction-tight rope			
	connection, plug-in/bolt connection,			
	· =			
	positive fitting connection, interlocking connection etc.			
DCCC		4	1	2
PC29.	identify and make different joints using	4	1	3
	various techniques			
PC30.	join bamboo using different lashing	4	1	3
	techniques			
PC31.	Assemble bamboo furniture using joint	4	1	3
	appropriately			
PC32.	adjust the surface strips across the	2	1	1
	battens and fix them with nails or weave			









		them together with fibre, removing any				
	PC33.	surplus material Assemble bamboo furniture using cane and nail fitting	-	4	1	3
	PC34.	assemble bamboo furniture using hollow bamboo joining technique	-	4	1	3
	PC35.	fix leg poles with the support of bend mortise grooves using appropriate technique		3	2	1
	PC36.	fix the supporting poles to the leg poles as per design specification using various joining techniques		4	2	2
	PC37.	fix the battens to the frame using nails, preferably made of bamboo	-	1	0	1
	PC38.	assemble back rest and back rest support		1	1	0
	PC39.	remove or chisel of the surplus material to get a smooth surface using appropriate tools		1	0	1
	PC40.	fill any cracks or unwanted cavities with the mix of saw dust and glue	-	1	0	1
	PC41.	sand the surface for smoothness		1	0	1
	PC42.	seal the joints neatly with glue/adhesive		1	0	1
			Total	100	30	70
FFS/N8401 Quality	PC1.	check and use raw material as per the specified quality standards	100	9	4	5
Control	PC2.	identify defects and communicate to the appropriate personnel when raw material do not confirm to quality standards		9	4	5
	PC3.	check for any irregularities like splinters, protruding nails, cracks and unwanted cavities	-	9	3	6
	PC4.	check for symmetry and right angles	-	9	0	9
	PC5.	check for proper assembly of all bamboo furniture parts	-	9	0	9
	PC6.	check for structural strength by applying load on bamboo furniture made		9	0	9
	PC7.	identify amendable or adjustable defects and modify them		9	0	9
	PC8.	carry out quality checks at specified intervals according to instructions		9	9	0
	PC9.	perform through check of joints for strength and durability		9	0	9
	PC10.	check and ensure that the final finish of the product is as per client requirement and design specification		10	5	5
	PC11.	take appropriate action for fault rectification		9	0	9
			Total	100	25	75
FFS/N 8601	PC1.	work safely at all times, complying with health and safety legislation, regulations and other relevant guidelines	100	3	2	1









Ensure health	PC2.	ensure that health and safety instructions		3	1	2
and safety at		applicable to the work place are being				
workplace		followed				
	PC3.	check the worksite for any possible health		3	1	2
		and safety hazards				
	PC4.	follow manufacturers' instructions and		3	1	2
		job specifications relating to safe use of				
		materials specifically chemicals and				
		power equipment				
	PC5.	ensure safe handling and disposal of		3	0	3
		waste and debris				
	PC6.	identify and report any hazards and		3	1	2
		potential risks/ threats to supervisors or				
		other authorized personnel				
	Hazards	s: sharp edged tools, hazardous surfaces,				
		physical hazards, electrical hazards,				
		health hazards from chemicals and other				
		such toxic material etc.	-			
	PC7.	undertake first aid activities in case of any		3	0	3
		accident, if required and asked to do so				
	PC8.	select and use appropriate personal		3	1	2
		protective equipment compatible to the				
		work and compliant to relevant				
		occupational health and safety guidelines				
	Persona	al protective equipment: masks, safety				
		glasses, head protection, ear muffs,				
		safety footwear, gloves, aprons etc.				
	PC9.	maintain correct body posture while		3	0	3
		standing and working for long hours and				
		carrying heavy materials				
	PC10. I	ift, carry or move heavy furniture and		3	0	3
		accessories from one place to another				
		using approved safe working practices				
	PC11.	handle all required tools, machines ,	-	4	2	2
	rCII.	materials & equipment safely		-		
	PC12.	adhere to relevant occupational safety	1	4	2	2
	1 012.	policies while handling sharp tools to			_	_
		make and install furniture and fittings				
	PC13.	take safety measures while handling	1	3	0	3
		glass, heavy wood, materials, chemicals				
		etc.				
	PC14.	apply good housekeeping practices at all	1	3	0	3
		times				
	Good h	ousekeeping practices: clean/tidy work				
		areas, removal/disposal of waste				
		products, protect surfaces				
	PC15.	report accident/incident report to		3	2	1
		authorised personal				
	PC16.	perform basic safety checks before		3	1	2
		operation of all machines, tools and				
		electrical equipment				









l f	PC17.	follow recommended material handling procedure to control damage and personal injury	3	2	1
		personal injury			
F	PC18.	follow safe working practices at all times	3	1	2
F	PC19.	follow appropriate procedure in case a of fire emergency	3	1	2
F	PC20.	follow electrical safety measures while working with electrically powered tools & equipment	3	1	2
F	PC21.	follow agreed work location procedures in the event of an emergency or an accident	4	2	2
F	PC22.	follow emergency and evacuation procedures in case of accidents, fires, natural calamities	3	1	2
ŀ	PC23.	check and ensure general health and safety equipment are available at work site	3	1	2
	General	health and safety equipment: fire extinguishers; first aid equipment; safety instruments and clothing; safety installations (e.g. fire exits, exhaust fans)			
F	PC24.	comply with restrictions imposed on harmful chemicals inside work area during working hours	4	2	2
F	PC25.	correctly demonstrate rescue techniques applied during fire hazard	3	0	3
F	PC26.	demonstrate good housekeeping in order to prevent fire hazards	3	0	3
F	PC27.	demonstrate the correct use of a fire extinguisher	3	0	3
F	PC28.	demonstrate how to free a person from electrocution	3	1	2
F	PC29.	respond promptly and appropriately to an accident situation or medical emergency	3	0	3
	PC30. Emerger	participate in emergency procedures ncy procedures: raising alarm, safe/efficient, evacuation, correct means of escape, correct assembly point, roll call, correct return to work	3	0	3
F	PC31.	use the various appropriate fire extinguishers on different types of fires correctly	3	1	2
	Types of	fires: Class A: e.g. ordinary solid combustibles, such as wood, paper, cloth, plastic, charcoal, etc.; Class B: flammable liquids andgases, such as gasoline, propane, diesel fuel, tar, cooking oil, and similar substances; Class C: e.g. electrical equipment such as appliances, wiring, breaker panels, etc.			









	PC32.	rategories of fires become Class A, B, and D fires when the electrical equipment that initiated the fire is no longer receiving electricity); Class D: combustible metals such as magnesium, titanium, and sodium (These fires burn at extremely high temperatures and require special suppression agents) state methods of accident prevention in the work environment ds of accident prevention: training in health and safety procedures; use of equipment and working practices (such as safe carrying procedures); safety notices, advice; instruction from colleagues and supervisors		3	3	0
			Total	100	30	70
FFS/N 8801 Work effectively	PC1.	seek assistance from supervisor or any such appropriate authority as and when required	100	3	1	2
with others	PC2.	ask questions and seek clarifications on work tasks whenever required		3	1	2
	PC3.	seek and obtain clarifications on policies and procedures, from the supervisor or other authorized personnel		5	5	0
	PC4.	identify and report any possible deviations to appropriate authority		3	1	2
	PC5.	address the problems effectively and report if required to immediate supervisor appropriately		5	2	3
	PC6.	receive instructions clearly from superiors and respond effectively on the same		3	1	2
	PC7.	follow escalation matrix in case of any grievance		5	4	1
	PC8.	accurately receive information and instructions from the supervisor related to one's work		5	3	2
	PC9.	coordinate and cooperate with colleagues to achieve work objectives		5	0	5
	PC10.	display courteous behaviour at all times		5	0	5
	PC11.	respond politely to customer queries and other team members		5	1	4
	PC12.	follow work place dress code		5	0	5
	PC13.	keep work area in a tidy and organized state		5	0	5
	PC14.	adhere to time lines and quality standards		5	2	3
	PC15.	follow organizational policies and procedures		4	4	0









		Total	100	30	70
	eliminating waste, honesty, etc.				
	completing tasks as per given time and standards; not gossiping and idling time;				
PC22.	disciplined behaviors: e.g. punctuality;		4	1	3
PC21.	demonstrate responsible and disciplined behaviors at the workplace		5	0	5
PC20.	display active listening skills while interacting with others at work		5	0	5
PC19.	show respect to other and their work		5	0	5
PC18.	communicate with others clearly, at a pace and in a manner that helps them to understand		5	2	3
PC17.	work together with co-workers in a synchronized manner		5	0	5
	and whenever required to enhance quality and productivity at work place				
PC16.	share information with team wherever		5	2	3

Option: FFS/Q4101- Round Bamboo Furniture Maker

Optional NOS Total Marks: 500+200= 700		Marks Allocation			
Assessable Outcomes	Assessment Criteria	Total Marks	Out of	Theory	Skills Practical
FFS/N 4101 Prepare to make round bamboo furniture	PC1. obtain job instructions from responsible personnel Job instruction: design, structural characteristics, frame instruction, durability factor, appearance, color, type of finish etc.		5	2	3
	PC2. interact with supervisor in order to understand the client requirement		5	2	3
	PC3. read and confirm that the given instructions and design are complete and correct		6	6	0
	PC4. plan out an efficient sequence of work as per the job requirement and specification		5	5	0
	PC5. obtain appropriate hand tools, power tools and material suitable to carry out the given tasks Hand Tools: e.g. dao, chisel set, dropping knife, width seizers, scissors, hammer, round planer/knot remover, scrapper, blow tourch, vice, grinder, thicknesser, hand plane, V-shaped knife, pointed knife, mallet, wood saw, hacksaw, pliers, hand drill and bits, sand container, pencil, marker, measuring tape, steel rule, staple gun etc. Power Tools: e.g. power saw, power drill, hand cutting machine, hand splicer, surface planer, trowel, tumbler, sovel etc. Material: e.g. treated bamboo of required diameter, adhesive, sand paper, nails, cane, wood pegs, bending wire, nut bolt etc.	100	6	0	6









		1	1	1	1
	PC6. report on any shortage or defect of tools		6	0	6
	and materials to the concerned person before				
	commencement of work				
	PC7. check that the selected tools & machines		5	0	5
	are in safe working condition and ready for use				<u> </u>
	PC8. check the bamboo for treatment against		7	0	7
	insects, fungus and other weather exposures		—	1	-
	PC9. check the bamboo for any splits that can		7	0	7
	affect the furniture strength and its making process				
	PC10. use approved procedures to inspect		6	3	3
	bamboo visually for any possible defects as per		"		
	required standard parameters prior to work				
	Defects: splinters, cracks, unwanted cavities,				
	exposed to fungus or any other insects,				
	size/diameter variation, waviness, etc.				
	PC11. read and interpret the details from		6	6	0
	design/drawings relevant to furniture making				
	PC12. read and understand manufacturer's		6	3	3
	specification of material and its uses				
	PC13. identify the surfaces and dimensions as		6	0	6
	per the drawing				
	PC14. read and understand the scope of work		6	0	6
	PC15. interact with client to decide on the		6	0	6
	procurement of material				
	PC16. suggest cost to the client considering		6	1	5
	furniture styles , durability, patterns, comfort,				
	modern appearance etc.				
	PC17. prepare and provide cost estimate to the		6	2	4
	client after evaluating various factors				
	Various Factors: type of furniture, type of finish,				
	cost of labour for complex design cost of raw				
	material etc.		100	20	70
		Total	100	30	70
FFS/N 4102	PC1. read and confirm that the given		3	1	2
Make round	instructions and design are correct				
bamboo furniture	PC2. obtain appropriate materials and tools		3	0	3
Turriiture	suitable to carry out marking activities			1	1
	PC3. identify the surfaces and dimensions as per the drawing		3	0	3
	PC4. take the size of the furniture component		4	2	2
	from the design and mark the same on bamboo		4	2	2
	culms				
	PC5. make markings using pencil and ruler or	100	3	1	2
	measuring tape as per drawing specification			-	-
	PC6. hold the pieces correctly to take	1	2	0	2
	measurements				
	PC7. calculate height and width as per design	1	3	3	0
	PC8. carryout marking activities using	1	4	2	2
	templates		'	-	-
	PC9. carry out markings to guide activities of	1	3	0	3
	subordinates for cutting				









PC10. use appropriate hand tools, power tools and material suitable to carry out the given tasks Hand Tools: e.g. dao, chisel set, dropping knife, width seizers, scissors, hammer, round planer/knot remover, scrapper, blow torch, vice, grinder, thicknesser, hand plane, V-shaped knife, pointed knife, mallet, wood saw, hacksaw, pliers, hand drill and bits, sand container, pencil, marker, measuring tape, steel rule, staple gun etc. Power Tools: e.g. power saw, power drill, hand cutting machine, hand splicer, surface planer, trowel, tumbler, sovel etc. Material: e.g. treated bamboo of required	3	0	3
diameter, adhesive, sand paper, nails, cane (3- 4mm for binding), wood pegs, bending wire, nut			
bolt etc. PC11 procure material as per furniture	3	1	2
PC11. procure material as per furniture component requirement and design specification Material: treated bamboo of different diameter as per design requirement, battens made of bamboo, furniture frame components, bamboo dowels etc. Component requirement: Selection of material is done in accordance with required properties like strength or flexibility that vary with different furniture components	3	1	2
PC12. cut bamboo culms in different sizes using cutting machine as per markings and design specification	3	0	3
PC13. check and ensure that the cut pieces are as per given specification and quality	2	1	1
PC14. minimise waste by following correct cutting techniques	1	0	1
PC15. drill holes in bamboo as per design specification using drill machine	4	2	2
PC16. make furniture frame by inserting frame rails into drilled holes	4	0	4
PC17. join furniture frame using adhesive and pegs	4	0	4
PC18. assemble furniture components using hollow bamboo joining technique	4	0	4
PC19. perform binding of joints using cane and nail fitting	4	0	4
PC20. join bamboo using different lashing techniques Different lashing techniques: square lashing, round lashing, diagonal lashing, shear lashing, tripod lashing, floor lashing, or ladder lashing	4	0	4
PC21. weave the seat, back and other parts as per design requirement	4	0	4
PC22. remove or chisel of the surplus material to get a smooth surface using appropriate tools	2	0	2
PC23. fill any cracks or unwanted cavities with the mix of saw dust and glue	 3	0	3









			1	Т
PC24. sand the surface for smoothness		2	0	2
PC25. return all the used tools and materials		5	3	2
safely to the appropriate personal				
PC26. work safely at all times, complying with		4	4	0
health and safety legislation, regulations and other				
relevant guidelines				
PC27. maintain correct body posture while		4	0	4
sitting and working for long hours and carrying				
heavy materials				
PC28. lift, carry or move heavy furniture from		4	0	4
one place to another using approved safe working				
practices				
PC29. select and use appropriate personal		4	2	2
protective equipment compatible to the work and				
compliant to relevant occupational health and				
safety guidelines				
Personal protective equipment: masks, safety				
glasses, head protection, ear muffs, safety				
footwear, gloves, aprons etc.				
PC30. follow electrical safety measures while		4	2	2
working with electrically powered tools &				
equipment				
	Total	100	30	70