



National
Qualifications
2018

2018 Practical Woodworking

National 5

Finalised Marking Instructions

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General marking principles for National 5 Practical Woodworking

This information is provided to help you understand the general principles you must apply when marking candidate responses to questions in this paper. These principles must be read in conjunction with the detailed marking instructions, which identify the key features required in candidate responses.

- (a) Marks for each candidate response must always be assigned in line with these general marking principles and the detailed marking instructions for this assessment.
- (b) Marking should always be positive. This means that, for each candidate response, marks are accumulated for the demonstration of relevant skills, knowledge and understanding: they are not deducted from a maximum on the basis of errors or omissions.

Marking instructions for each question

Question			Expected response	Max mark	Additional guidance
1.	(a)	(i)	Mitre joint	1	
		(ii)	Dowel joint	1	
		(iii)	Bridle joint	1	Accept corner bridle.
	(b)		<ul style="list-style-type: none"> • Mark size to shoulder. • Square round sides with try square. • Mark depth with marking gauge. 	3	<p>Each correct response is worth 1 mark and responses must be in the correct order.</p> <p>Candidates may use sketches to aid their answer.</p> <p>Candidates may achieve more than 1 mark within a stage.</p>
	(c)		Plough plane	1	Accept combination plane.
	(d)		(i) Hardwood (ii) Hardwood (iii) Softwood (iv) Softwood	4	1 mark for each correct response.
	(e)		<ul style="list-style-type: none"> • Reduced deforestation. • Softwoods grow faster. • Smaller transport distances (smaller carbon footprint). • Could come from sustainable forests. 	2	<p>Accept any two correct responses.</p> <p>1 mark for each correct response.</p>
	(f)		Varnish	1	Accept oil, wax or stain.

Question		Expected response	Max mark	Additional guidance																														
2.	(a)		6																															
				<table border="1"> <thead> <tr> <th>Part</th> <th>Number</th> <th>Length</th> <th>Breadth</th> <th>Thickness</th> </tr> </thead> <tbody> <tr> <td>Table Top long edge</td> <td>2</td> <td>460</td> <td>50</td> <td>20</td> </tr> <tr> <td>Table Top short edge</td> <td>2</td> <td>310</td> <td>50</td> <td>20</td> </tr> <tr> <td>Front Rails</td> <td>2</td> <td>390</td> <td>60</td> <td>18</td> </tr> <tr> <td>Side Rails</td> <td>2</td> <td>240</td> <td>60</td> <td>18</td> </tr> <tr> <td>Legs</td> <td>4</td> <td>430</td> <td>45</td> <td>45</td> </tr> </tbody> </table>	Part	Number	Length	Breadth	Thickness	Table Top long edge	2	460	50	20	Table Top short edge	2	310	50	20	Front Rails	2	390	60	18	Side Rails	2	240	60	18	Legs	4	430	45	45
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	(b)	(i)	Mortise machine	1	Accept mortise and tenon/mortise and tenon machine/mortise drill.																													
		(ii)	Disc sander	1	Don't accept sander/orbital sander or belt sander.																													
	(c)		Rebate plane	1																														
	(d)		Band clamp	1	Also accept belt clamp, web clamp or strap clamp.																													
	(e)		To check assembly before gluing.	1																														
	(f)		PVA	1	Polyvinyl acetate.																													
	(g)		Coarse	1																														
	(h)		To raise the grain.	1																														

Question			Expected response	Max mark	Additional guidance
3.	(a)	(i)	Pillar drill or Pedestal drill	1	Accept bench drill. Do not accept drill.
		(ii)	Forstner bit allows for a flat-bottomed hole.	1	
	(b)		<ul style="list-style-type: none"> Secure work piece. Make sure drill bit is in securely. Remove chuck key. Set correct cutting speed on the machine. Ensure all guards are down. Ensure table is secure. Where required, ensure depth stop is set. Know location of emergency stop on machine. 	3	Accept any three correct responses. 1 mark for each correct response. Candidates may achieve more than 1 mark within a response.
	(c)		Through housing	1	Do not accept housing.
	(d)		<ul style="list-style-type: none"> Cut v-notch with chisel. Saw vertical lines. Chisel out waste material. Level off with hand router/pare bottom of joint. 	3	Each response is worth 1 mark and responses must be in the correct order. Candidates may use sketches to aid their answer. Candidates may achieve more than 1 mark within a stage.
	(e)	(i)	Sliding bevel	1	
		(ii)	Can be set/adjusted to draw lines at a range of angles to an edge.	1	
		(iii)	Marking knife	1	
		(iv)	To mark/cut across the grain of the timber.	1	To mark wood before sawing/cutting also accepted.
	(f)		Keeps the saw blade rigid.	1	Accept adds weight.

Question		Expected response	Max mark	Additional guidance
4.	(a)	<ul style="list-style-type: none"> • Draw diagonals/mark centre. • Mark circle/octagonal shape. 	2	<p>Each correct response is worth 1 mark and responses must be in the correct order.</p> <p>Candidates may use sketches to aid their answer.</p> <p>Candidates may achieve more than 1 mark within a stage.</p>
	(b)	<p>A- cap iron</p> <p>B- cutting iron</p> <p>C- adjusting lever</p> <p>D- adjusting nut</p>	4	<p>1 mark for each correct response.</p> <p>Accept 'plane iron/blade/plane blade/cutting blade' for B.</p>
	(c)	Face plate	1	
	(d)	Headstock	1	
	(e) (i)	Gouge	1	
	(ii)	Scraper	1	Accept 'round nose chisel'.
	(f)	Box B	1	
	(g)	<ul style="list-style-type: none"> • Increase lathe speed. • Slower final cut. • Sharpen lathe tools. • Wet the wood. • Sand on machine. • Use shavings to burnish surface. 	3	<p>Any three correct responses. Each response is worth 1 mark.</p> <p>Reference to sanding can only achieve 1 mark.</p> <p>Candidates may achieve more than 1 mark within a response.</p>
	(h)	<ul style="list-style-type: none"> • Goggles/safety specs/visor. • Tie hair back/tuck away any loose clothing/ remove loose jewellery. • Wear apron. • Wear dust mask/face mask. • Be aware of emergency stop buttons. • Ensure your working area is clear. 	3	<p>Any three correct responses. Each response is worth 1 mark.</p> <p>Only 1 mark should be awarded from tie hair back/tuck away any loose clothing/ remove loose jewellery.</p> <p>Candidates may achieve more than one mark within a response.</p>
	(i)	Any appropriate response relating to recycling of material/reducing environmental impact.	1	

[END OF MARKING INSTRUCTIONS]