

# Mark Scheme (Results)

## Summer 2010

Principal Learning

Construction  
CB104 Create the Built Environment: Methods and  
Materials

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## General Marking Guidance

- All candidates must receive the same treatment. Examiners must mark the first candidate in exactly the same way as they mark the last.
- Mark schemes should be applied positively. Candidates must be rewarded for what they have shown they can do rather than penalised for omissions.
- Examiners should mark according to the mark scheme not according to their perception of where the grade boundaries may lie.
- There is no ceiling on achievement. All marks on the mark scheme should be used appropriately.
- All the marks on the mark scheme are designed to be awarded. Examiners should always award full marks if deserved, i.e. if the answer matches the mark scheme. Examiners should also be prepared to award zero marks if the candidate's response is not worthy of credit according to the mark scheme.
- Where some judgement is required, mark schemes will provide the principles by which marks will be awarded and exemplification may be limited.
- When examiners are in doubt regarding the application of the mark scheme to a candidate's response, the team leader must be consulted.
- Crossed out work should be marked UNLESS the candidate has replaced it with an alternative response.

Question Number	Answer	Mark
1	Floor layer Shopfitter Thatcher Steeplejack Partition fixer	(5)

Question Number	Answer	Mark
2(a)	A	(1)

Question Number	Answer	Mark
2(b)	C	(1)

Question Number	Answer	Mark
2(c)	A	(1)

Question Number	Answer	Mark
2(d)	B	(1)

Question Number	Answer	Mark
2(e)	C	(1)

Question Number	Answer	Mark
3(a)	B	(1)

Question Number	Answer	Mark
3(b)	C	(1)

Question Number	Answer	Mark
3(c)	B	(1)

Question Number	Answer	Mark
3(d)	A	(1)

Question Number	Answer	Mark
4(a)	C	(1)

Question Number	Answer	Mark
4(b)	B	(1)

Question Number	Answer	Mark
4(c)	A	(1)

Question Number	Answer	Mark
4(d)	C	(1)

Question Number	Answer	Mark
4(e)	A	(1)

Question Number	Answer	Mark																								
5	<table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 50%;">Material/ component</th> <th style="text-align: left; width: 50%;">Location</th> </tr> </thead> <tbody> <tr> <td style="border: 1px solid black; padding: 5px;">Air brick</td> <td style="border: 1px solid black; padding: 5px;">Roof coverings</td> </tr> <tr> <td style="border: 1px solid black; padding: 5px;">Slate</td> <td style="border: 1px solid black; padding: 5px;">Architraves</td> </tr> <tr> <td style="border: 1px solid black; padding: 5px;">Copper</td> <td style="border: 1px solid black; padding: 5px;">Electrical wiring</td> </tr> <tr> <td style="border: 1px solid black; padding: 5px;">Fibreglass</td> <td style="border: 1px solid black; padding: 5px;">External walls</td> </tr> <tr> <td style="border: 1px solid black; padding: 5px;">MDF</td> <td style="border: 1px solid black; padding: 5px;">Loft insulation</td> </tr> <tr> <td></td> <td style="border: 1px solid black; padding: 5px;">Foundations</td> </tr> </tbody> </table> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Air brick</td> <td style="width: 50%;">- External walls</td> </tr> <tr> <td>Slate</td> <td>- Roof coverings</td> </tr> <tr> <td>Copper</td> <td>- Electrical wiring</td> </tr> <tr> <td>Fibreglass</td> <td>- Loft insulation</td> </tr> <tr> <td>MDF</td> <td>- Architraves</td> </tr> </table>	Material/ component	Location	Air brick	Roof coverings	Slate	Architraves	Copper	Electrical wiring	Fibreglass	External walls	MDF	Loft insulation		Foundations	Air brick	- External walls	Slate	- Roof coverings	Copper	- Electrical wiring	Fibreglass	- Loft insulation	MDF	- Architraves	(5)
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Question Number	Answer	Mark
6	<p>Job classification</p> <p>Job</p> <p>Operative - Drain layer  Trade - Electrician  Specialist trade - Ceiling fixer  Technician - Buyer  Management - Site agent</p> <p>Operative - Drain layer  Trade - Electrician  Specialist trade - Ceiling fixer  Technician - Buyer  Management - Site agent</p>	(5)

Question Number	Answer	Mark
7	<p>PVC - Plastic  MDF - Timber  Mortar - Cement</p>	(3)

Question Number	Answer	Mark												
8	<table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: center;">Plant</th> <th style="text-align: center;">Activity</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">Plate vibrator</div> </td> <td style="text-align: center;"> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">Working at height</div> </td> </tr> <tr> <td style="text-align: center;"> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">Cherry picker</div> </td> <td style="text-align: center;"> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">Moving materials</div> </td> </tr> <tr> <td style="text-align: center;"> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">Telescopic handler</div> </td> <td style="text-align: center;"> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">Compacting materials</div> </td> </tr> <tr> <td style="text-align: center;"> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">Tower crane</div> </td> <td style="text-align: center;"> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">Compacting materials</div> </td> </tr> <tr> <td style="text-align: center;"> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">Vibrating roller</div> </td> <td style="text-align: center;"> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">Compacting materials</div> </td> </tr> </tbody> </table> <p>           Plate vibrator            - Compacting materials            Cherry picker            - Working at height            Telescopic handler      - Moving materials            Tower crane              - Moving materials            Vibrating roller         - Compacting materials         </p>	Plant	Activity	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">Plate vibrator</div>	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">Working at height</div>	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">Cherry picker</div>	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">Moving materials</div>	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">Telescopic handler</div>	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">Compacting materials</div>	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">Tower crane</div>	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">Compacting materials</div>	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">Vibrating roller</div>	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">Compacting materials</div>	(5)
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Question Number	Answer	Mark
9(a)	A	(1)

Question Number	Answer	Mark
9(b)	C	(1)

Question Number	Answer	Mark
9(c)	D	(1)

Question Number	Answer	Mark
9(d)	B	(1)

Question Number	Answer	Mark
10	Roof tile - shelter Polystyrene - insulation Facing bricks - shelter Roofing felt - shelter Gloss paint - aesthetics	(5)

Question Number	Answer	Mark
11(a)	B	(1)

Question Number	Answer	Mark
11(b)	D	(1)

Question Number	Answer	Mark
11(c)	C	(1)

Question Number	Answer	Mark
11(d)	C	(1)

Question Number	Answer	Mark
12(a)	B	(1)

Question Number	Answer	Mark
12(b)	D	(1)

Question Number	Answer	Mark
12(c)	D	(1)

Question Number	Answer	Mark
12(d)	A	(1)

Question Number	Answer	Mark
12(e)	C	(1)

Question Number	Answer	Mark
13(a)	B	(1)

Question Number	Answer	Mark
13(b)	D	(1)

Question Number	Answer	Mark
13(c)	A	(1)

Question Number	Answer	Mark
13(d)	D	(1)

Question Number	Answer	Mark
13(e)	A	(1)

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