

Mark Scheme

Summer 2009

Principal Learning

Construction and the Built Environment

Level 1 CB104/01

Level 2 CB204/01

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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.

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Level 1 CB104/01

Create the Built Environment: Methods and Materials

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

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

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

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

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

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

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

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

Question Number	Answer	Mark
3(c)	Mobile crane	(1)

Question Number	Answer	Mark
3(d)	Telescopic handler	(1)

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

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

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

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

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

Question Number	Answer	Mark
5(a)	PVCu - Windows	(1)

Question Number	Answer	Mark
5(b)	Chipboard - Floors	(1)

Question Number	Answer	Mark
5(c)	Thermal Blocks - External walls	(1)

Question Number	Answer	Mark
5(d)	Trussed Rafters - Roofs	(1)

Question Number	Answer	Mark
5(e)	Aggregate - Foundations	(1)

Question Number	Answer	Mark
6(a)	Specialist Trade - Ceiling fixer	(1)

Question Number	Answer	Mark
6(b)	Operative - Groundworker	(1)

Question Number	Answer	Mark
6(c)	Professional - Structural engineer	(1)

Question Number	Answer	Mark
6(d)	Management - Site agent	(1)

Question Number	Answer	Mark
6(e)	Technician - Buyer	(1)

Question Number	Answer	Mark
7(a)	Technician	(1)

Question Number	Answer	Mark
7(b)	Craft	(1)

Question Number	Answer	Mark
7(c)	Professional	(1)

Question Number	Answer	Mark
8(a)	Mobile Crane - Moving materials	(1)

Question Number	Answer	Mark
8(b)	Cherry Picker - Access to work at height	(1)

Question Number	Answer	Mark
8(c)	Forklift - Moving materials	(1)

Question Number	Answer	Mark
8(d)	Piling Rig - Foundation works	(1)

Question Number	Answer	Mark
8(e)	Scissor Lift - Access to work at height	(1)

Question Number	Answer	Mark
9(a)	Membrane	(1)

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

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

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

Question Number	Answer	Mark
10(a)	Wood	(1)

Question Number	Answer	Mark
10(b)	Cement	(1)

Question Number	Answer	Mark
10(c)	Plastic	(1)

Question Number	Answer	Mark
10(d)	Wood	(1)

Question Number	Answer	Mark
10(e)	Plastic	(1)

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

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

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

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

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

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

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

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

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

Question Number	Answer	Mark
13(a)	Site setup	(1)

Question Number	Answer	Mark
13(b)	Cladding and roofing	(1)

Question Number	Answer	Mark
13(c)	First fix	(1)

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

Question Number	Answer	Mark
13(e)	Snagging and handover	(1)

Level 2 CB204/01
Create the Built Environment: Structures

Question Number	Answer	Mark
1(a)	Superstructure brickwork	(1)

Question Number	Answer	Mark
1(b)	External doors and windows	(1)

Question Number	Answer	Mark
1(c)	Second fix	(1)

Question Number	Answer	Mark
1(d)	Finishes and decorations	(1)

Question Number	Answer	Mark
1(e)	Snagging and handover	(1)

Question Number	Answer	Mark
2(a)	Earthwork support	(1)

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

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

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

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

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

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

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

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

Question Number	Answer	Mark
3(e)	Softwood frame	(1)

Question Number	Answer	Mark
4(a)	Plumbing work - both	(1)

Question Number	Answer	Mark
4(b)	Electrical works - both	(1)

Question Number	Answer	Mark
4(c)	Painting and decorating - neither	(1)

Question Number	Answer	Mark
4(d)	Studwork - 1 st fix	(1)

Question Number	Answer	Mark
4(e)	Fixing architraves - 2 nd fix	(1)

Question Number	Answer	Mark
5(a)	RICS	(1)

Question Number	Answer	Mark
5(b)	1:5	(1)

Question Number	Answer	Mark
5(c)	Gantt	(1)

Question Number	Answer	Mark
5(d)	Critical	(1)

Question Number	Answer	Mark
5(e)	Measurement	(1)

Question Number	Answer	Mark
6(a)	Setting out	(1)

Question Number	Answer	Mark
6(b)	Formwork	(1)

Question Number	Answer	Mark
6(c)	Compression	(1)

Question Number	Answer	Mark
6(d)	Concrete pump	(1)

Question Number	Answer	Mark
6(e)	Grouted	(1)

Question Number	Answer	Mark
7(a)	Soffit	(1)

Question Number	Answer	Mark
7(b)	Tilt fillet	(1)

Question Number	Answer	Mark
7(c)	Insulation	(1)

Question Number	Answer	Mark
7(d)	Sawn softwood wall plate	(1)

Question Number	Answer	Mark
7(e)	Dry lining	(1)

Question Number	Answer	Mark
8(a)	Community liaison officer	(1)

Question Number	Answer	Mark
8(b)	Silt traps	(1)

Question Number	Answer	Mark
8(c)	Acoustic	(1)

Question Number	Answer	Mark
8(d)	Animal habitats	(1)

Question Number	Answer	Mark
8(e)	Fuel storage tanks	(1)

Question Number	Answer	Mark
9(a)	Frame structure	(1)

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

Question Number	Answer	Mark
9(c)	Window board	(1)

Question Number	Answer	Mark
9(d)	Loading shovel	(1)

Question Number	Answer	Mark
10(a)	DPC	(1)

Question Number	Answer	Mark
10(b)	Substructure	(1)

Question Number	Answer	Mark
10(c)	Insulation	(1)

Question Number	Answer	Mark
10(d)	Fire	(1)

Question Number	Answer	Mark
11(a)	Roof A	(1)

Question Number	Answer	Mark
11(b)	Both A and B	(1)

Question Number	Answer	Mark
11(c)	Roof B	(1)

Question Number	Answer	Mark
11(d)	Neither	(1)

Question Number	Answer	Mark
12	<p>Advantages of using construction plant</p> <ul style="list-style-type: none"> • Saves time and reduces the time needed to complete the project. • Allows more efficient working • Improves safety • Reduces the risk of injury • Provides access to working at height • Reduces manual labour <p>Any other appropriate response</p>	(4)

Question Number	Answer	Mark
13	<p>Advantages of the development of a brownfield site over the development of a greenfield site</p> <ul style="list-style-type: none"> • Reduced loss of animal habitat • Improved visual amenity - likely to look better than a run down old building or demolition site • Retains existing green space • Does not increase surface water run-off • Protects a scarce land resource • Materials from the site may be reclaimed and recycled for use in the new development • Reduces development impact upon the local community <p>Any other appropriate response</p>	(4)

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