

Mark Scheme (Results)

January 2010

Principal Learning

Construction
CB204 Create the Built Environment: Structures

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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(a)	C	(1)

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

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

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

Question Number	Answer	Mark
1(e)	B	(1)

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

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

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

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

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

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

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

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

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

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

Question Number	Answer	Mark
4	Staircases - Both Chimneys - Concrete Deep strip foundations- Neither Flat roofs - Both Pitched roofs - Timber	(5)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Question Number	Answer	Mark
8(e)	F	(1)

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

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

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

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

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

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

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

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

Question Number	Answer	Mark	
11	Requires no foundation Transfers loads using the building envelope Utilises a modern foundation Transfers loads using secondary units	- Neither - Shell - Both - Framed	(4)

Question Number	Answer	Mark
12	<p>Performance specification states what results level or standard must be achieved.</p> <p>Materials and workmanship specification states what materials and components should be used and the standard of workmanship.</p> <p>And any other reasonable answer</p>	(2)

Question Number	Answer	Mark
13	<p>Brief description and evaluation of any three of the following:</p> <ul style="list-style-type: none"> • community liaison/provision of information • site security • agreed working hours • site access arrangements • car parking • timing of deliveries • safety talks • wheel cleaning facilities • damping down • acoustic hoardings • maintaining a clean and tidy site • waste reduction • effective plant maintenance • control of noise • Considerate Contractors Scheme • planning consultation • pollution • economic impacts • use of local suppliers • minimising time on site e.g. by prefabrication • shared transport arrangements <p>Any other reasonable answer</p> <p>1 mark for brief description only 2 marks for brief description and evaluation</p>	(6)

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