

Mark Scheme (Results)

Summer 2012

Principal Learning

Construction and the Built
Environment (CB104/01)

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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.

Question Number	Answer	Mark
1	A - Building Surveyor B - Quantity Surveyor E - Building Services Engineer H - Architect J - Structural Engineer	(5)

Question Number	Answer	Mark
2(a)	B - National Vocational Qualification (NVQ)	(1)

Question Number	Answer	Mark
2(b)	A - RIBA	(1)

Question Number	Answer	Mark
2(c)	C - Scheme	(1)

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

Question Number	Answer	Mark
2(e)	A - Shopfitter	(1)

Question Number	Answer	Mark
3(a)	A - Excavator	(1)

Question Number	Answer	Mark
3(b)	B - Telescopic handler	(1)

Question Number	Answer	Mark
3(c)	C - Dumper	(1)

Question Number	Answer	Mark
3(d)	C - Mobile crane	(1)

Question Number	Answer	Mark
4(a)	B - Plastic	(1)

Question Number	Answer	Mark
4(b)	C - Glued laminated beams	(1)

Question Number	Answer	Mark
4(c)	B - Course	(1)

Question Number	Answer	Mark
4(d)	A - DPM	(1)

Question Number	Answer	Mark
4(e)	C - Steel	(1)

Question Number	Answer	Mark
5	Low cost materials – Reduce initial cost High level of insulation – reduce heating costs Locally sourced materials - Reduce transport emissions Insitu concrete frame – Increase onsite time Offsite prefabrication – Reduce onsite time	(5)

Question Number	Answer	Mark
6	Foamglass - Insulation DPM – Concrete floors Copper – Cold water pipes Lead – Roof flashing Trussed rafters – Domestic roofs	(5)

Question Number	Answer	Mark
7	Finishing concrete Excavation works Moving materials	(3)

Question Number	Answer	Mark
8	Labourer - Operative Assistant Site Engineer - Technician Buyer - Technician Floor Layer – Specialist trade Thatcher – Specialist trade	(5)

Question Number	Answer	Mark
9(a)	D - Lintel	(1)

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

Question Number	Answer	Mark
9(c)	A - Cherry pickers	(1)

Question Number	Answer	Mark
9(d)	C - Panelised	(1)

Question Number	Answer	Mark
10	Cement Plastic Wood Plastic Cement	(5)

Question Number	Answer	Mark
11(a)	C - Renewable resource	(1)

Question Number	Answer	Mark
11(b)	A - Environment	(1)

Question Number	Answer	Mark
11(c)	D - Embodied energy	(1)

Question Number	Answer	Mark
11(d)	C - On-site waste	(1)

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

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

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

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

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

Question Number	Answer	Mark
13(a)	C - Substructure brickwork	(1)

Question Number	Answer	Mark
13(b)	E - Beam and block floor	(1)

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

Question Number	Answer	Mark
13(d)	A - Internal finishes	(1)

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

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