

Mark Scheme (Results)

Summer 2013

Principal Learning
Construction and the Built
Environment (CB204/01)

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Question Number	Answer	Mark
1(a)	D – 3.5 days	(1)

Question Number	Answer	Mark
1(b)	C – end of day 4	(1)

Question Number	Answer	Mark
1(c)	C – day 6	(1)

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

Question Number	Answer	Mark
1(e)	D – noon day 14	(1)

Question Number	Answer	Mark
2(a)	C – apex	(1)

Question Number	Answer	Mark
2(b)	A – eaves	(1)

Question Number	Answer	Mark
2(c)	C – rafter	(1)

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

Question Number	Answer	Mark
2(e)	D – haunch	(1)

Question Number	Answer	Mark
3(a)	C – roller	(1)

Question Number	Answer	Mark
3(b)	B – cement mixer	(1)

Question Number	Answer	Mark
3(c)	A – floating	(1)

Question Number	Answer	Mark
3(d)	B – hardcore	(1)

Question Number	Answer	Mark
3(e)	D – brickwork to dpc	(1)

Question Number	Answer	Mark
4	Electrical work – Both Studwork – First fix Painting & Decorating – Neither Plumbing work – Both Fixing architraves – Second fix	(5)

Question Number	Answer	Mark
5(a)	A – plasterboard	(1)

Question Number	Answer	Mark
5(b)	D – fascia	(1)

Question Number	Answer	Mark
5(c)	E – insulation	(1)

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

Question Number	Answer	Mark
5(e)	E – soffit	(1)

Question Number	Answer	Mark
6	Eaves beam – Columns Holding down bolt – Columns Floor decking – Beams Sole plate – Neither Precast planks – Beams	(5)

Question Number	Answer	Mark
7(a)	C – diagonally	(1)

Question Number	Answer	Mark
7(b)	A – binders	(1)

Question Number	Answer	Mark
7(c)	D – support	(1)

Question Number	Answer	Mark
7(d)	D – clips	(1)

Question Number	Answer	Mark
7(e)	D – upright	(1)

Question Number	Answer	Mark
8(a)	D – sole plate	(1)

Question Number	Answer	Mark
8(b)	E – timber frames	(1)

Question Number	Answer	Mark
8(c)	B – head binder	(1)

Question Number	Answer	Mark
8(d)	F – trussed rafters	(1)

Question Number	Answer	Mark
8(e)	D – roofing felt and battens	(1)

Question Number	Answer	Mark
9(a)	B – skirtings	(1)

Question Number	Answer	Mark
9(b)	F – cabling	(1)

Question Number	Answer	Mark
9(c)	D – sanitary ware	(1)

Question Number	Answer	Mark
9(d)	D – floor boards	(1)

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

Question Number	Answer	Mark
10(b)	B – concrete	(1)

Question Number	Answer	Mark
10(c)	B – casement window	(1)

Question Number	Answer	Mark
10(d)	C – plywood	(1)

Question Number	Answer	Mark
11	Requires strutting between joists – Both Should not be cut on site – Detail A Is heavier – Detail B Does not distort – Detail A	(4)

Question Number	Answer	Mark
12	<p>A description of</p> <ul style="list-style-type: none"> • Ironmongery • Door • Window • Lintel • Finishes • Room survey • Sanitary ware • Electrical • Third fix <p>and any other reasonable answer</p> <p>No marks for identification only 1 mark for a simple description 2 marks for a more detailed description (The above applies to a maximum of 2 described practices)</p>	(4)
Question Number	Answer	Mark
13	<p>A description of two of the following</p> <p>Advantages</p> <ul style="list-style-type: none"> • Able to reach deeper bearing ground • Economical when bearing strata is at depth • Faster foundation construction • Enables a development to proceed in terms of feasibility • Less excavation work • Less disposal off-site of surplus spoil • Can be installed in all weather • No earthwork support required • No formwork required <p>and any other reasonable answer</p> <p>No marks for identification only 1 mark for a simple description 2 marks for a more detailed description (The above applies to a maximum of 2 described advantages)</p>	(4)

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