

Mark Scheme (Results)

January 2012

Principal Learning CB204 Create the Built Environment: Structures

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Question Number	Answer	Mark
1(a)	C - General Public	(1)
	,	
Question Number	Answer	Mark
1(b)	C - 6	(1)
Question Number	Answer	Mark
1(c)	B - I	(1)
Question Number	Answer	Mark
1(d)	E - Week 3 Day 4	(1)
		T., ,
Question Number	Answer	Mark
1(e)	C - 16 days	(1)
		_
Question Number	Answer	Mark
2(a)	C - Backactor	(1)
 (u)	O Busicustoi	(-)
Question Number	Answer	Mark
2(b)	D - Power floating	(1)
_(~)		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Question Number	Answer	Mark
2(c)	C - Dumper	(1)
_(0)	o Bampor	(-)
Question Number	Answer	Mark
2(d)	A - Steel reinforcement	(1)
2(u)	A - Steer reinforcement	(1)
Question	Answer	Mark
Number	C. Compostion	(1)
2(e)	C - Compaction	(1)
Question	Answer	Mark
Number	C - Shell	(1)
3(a)	C - 311611	(1)
Question	Answer	Mark
Number	D. Crass well	(1)
3(b)	B - Cross wall	(1)

Question Number	Answer	Mark
3(c)	D - Cellular	(1)
Question Number	Answer	Mark
3(d)	B - Frame	(1)
Question Number	Answer	Mark
3(e)	C - Skeleton	(1)
Question Number	Answer	Mark
4	Domestic time framed - Brickwork Portal frame - Both Insitu concrete - Both Cavity wall construction - Brickwork	
	Cross wall construction - Brickwork	(5)
Question Number	Answer	Mark
5(a)	A - Site Noise	(1)
- (-)	7. 0.10 110.00	(- /
Question Number	Answer	Mark
5(b)	C - Period	(1)
Question Number	Answer	Mark
5(c)	D - Decommissioned	(1)
Question Number	Answer	Mark
5(d)	D - Recycled	(1)
Question Number	Answer	Mark
5(e)	E - Insulation	(1)
Question Number	Answer	Mark
6(a)	D - Galvanised steel lintel	(1)
Question Number	Answer	Mark
6(b)	E - Cavity tray	(1)

Question Number	Answer	Mark
6(c)	D - Weep hole	(1)
Question Number	Answer	Mark
6(d)	B - Reveal	(1)
0	A	N4 I -
Question Number	Answer	Mark
6(e)	B - Wall tie	(1)
		T
Question Number	Answer	Mark
7	Supervision - Preliminaries	
	Unidentified work - Dayworks	
	Nominated subcontractor - Prime Cost Sums	
	External walls - Measured Works	
	Contingencies - Provisional Sums	(5)
	T •	1.4
Question	Answer	Mark
Number	C. Diostorina	(1)
8(a)	E - Plastering	(1)
Question	Answer	Mark
Number	74134461	Wark
8(b)	B - Cranes	(1)
Question	Answer	Mark
Number		
8(c)	E - On-site labour costs	(1)
	T •	T
Question	Answer	Mark
Number 8(d)	B - Quality Control	(1)
8(u)	B - Quality Control	
Question	Answer	Mark
Number	74134461	Wark
8(e)	F - Drying Time	(1)
Question	Answer	Mark
Number		
9(a)	F - Rafter	(1)
_		T
Question	Answer	Mark
Number	0.5	(4)
9(b)	C - Framing	(1)

Question Number	Answer	Mark
9(c)	B - Bonded	(1)
Question Number	Answer	Mark
9(d)	E - Sets	(1)
Question Number	Answer	Mark
10(a)	B - Stone	(1)
Question Number	Answer	Mark
10(b)	B - Side hung	(1)
Question Number	Answer	Mark
10(c)	E - DPC	(1)
Question Number	Answer	Mark
10(d)	E - Wood sawn	(1)
Question Number	Answer	Mark
11	Production of Gantt charts - Package B Production of walkthroughs - Package A Production of video images - Neither	
	Production of critical path analysis - Package B	(4)
0	A	N 4 =1 -
Question Number	Answer	Mark
12	 Protective fencing Correct storage of materials Use of silt traps Local sourcing 	

Question	Answer	Mark
Number		
12	 Protective fencing Correct storage of materials Use of silt traps Local sourcing Damping down Waste segregation Correct fuel storage Recycle materials Relocation of animal habitats Bunded tanks Regular and correct maintenance of site plant Use of pre-fabrication minimises the time the project impacts upon the environment Development of brownfield sites Protecting existing retained trees and any other reasonable answer 	

No months for identification and	
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)	(4)

Question	Answer	Mark
Number		
	A description and evaluation of one of the following Advantages	Mark
	 Requires no secondary coating Provides additional protection from the elements Provides additional sound reduction Provides additional thermal properties 	
	 Disadvantages Causes glare Cleaning Privacy Weight Crainage Solar gain in summer Specialist transport required High wind installation impossible Short life expectancy on double glazed units Sealing of units requires special detailing Thermal expansion Expensive to curve More expensive than brickwork Potential impact damage / breakage High cost 	
	and any other reasonable answer Additional No marks for any identification	
	1 mark for a brief description of one advantage	(4)

or one disadvantage 2 marks for a brief description containing one
advantage and one disadvantage
3 marks for describing two but only one
evaluative
4 marks for a clear evaluative description of
one advantage and one disadvantage

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