

Mark Scheme (Results)

Summer 2012

Principal Learning

Construction and the Built
Environment (CB204/01)

Edexcel and BTEC Qualifications

Edexcel and BTEC qualifications come from Pearson, the world's leading learning company. We provide a wide range of qualifications including academic, vocational, occupational and specific programmes for employers. For further information, please visit our website at www.edexcel.com.

Our website subject pages hold useful resources, support material and live feeds from our subject advisors giving you access to a portal of information. If you have any subject specific questions about this specification that require the help of a subject specialist, you may find our Ask The Expert email service helpful.

www.edexcel.com/contactus

Pearson: helping people progress, everywhere

Our aim is to help everyone progress in their lives through education. We believe in every kind of learning, for all kinds of people, wherever they are in the world. We've been involved in education for over 150 years, and by working across 70 countries, in 100 languages, we have built an international reputation for our commitment to high standards and raising achievement through innovation in education. Find out more about how we can help you and your students at: www.pearson.com/uk

Summer 2012

Publications Code DP031936

All the material in this publication is copyright

© Pearson Education Ltd 2012

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)	D Road Kerbs	(1)

Question Number	Answer	Mark
1(b)	B Week 4 Day 1	(1)

Question Number	Answer	Mark
1(c)	C Noon Day 5	(1)

Question Number	Answer	Mark
1(d)	C So tarmac can finish flush	(1)

Question Number	Answer	Mark
1(e)	C 18 Days	(1)

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

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

Question Number	Answer	Mark
2(c)	D Tension	(1)

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

Question Number	Answer	Mark
2(e)	D Tamping	(1)

Question Number	Answer	Mark
3(a)	C Survey	(1)

Question Number	Answer	Mark
3(b)	D Existing services	(1)

Question Number	Answer	Mark
3(c)	A Demolition	(1)

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

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

Question Number	Answer	Mark
4	Wall plate Inside skin of wall Lintels Hardcore Wall plate	(5)

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

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

Question Number	Answer	Mark
5(c)	B Masonry saw	(1)

Question Number	Answer	Mark
5(d)	D Transformer	(1)

Question Number	Answer	Mark
5(e)	E Slump test	(1)

Question Number	Answer	Mark
6(a)	B Structural	(1)

Question Number	Answer	Mark
6(b)	E Fire	(1)

Question Number	Answer	Mark
6(c)	B Sound	(1)

Question Number	Answer	Mark
6(d)	D Services	(1)

Question Number	Answer	Mark
6(e)	A Plasterboard	(1)

Question Number	Answer	Mark
7	Brickwork Framed Neither Framed Framed	(5)

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

Question Number	Answer	Mark
8(b)	A Common	(1)

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

Question Number	Answer	Mark
8(d)	E Wall plate	(1)

Question Number	Answer	Mark
8(e)	B Ridge board	(1)

Question Number	Answer	Mark
9(a)	B Plaster	(1)

Question Number	Answer	Mark
9(b)	F Costs	(1)

Question Number	Answer	Mark
9(c)	B Demountable	(1)

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

Question Number	Answer	Mark
10(a)	D Elevation	(1)

Question Number	Answer	Mark
10(b)	F Plan	(1)

Question Number	Answer	Mark
10(c)	A Plywood	(1)

Question Number	Answer	Mark
10(d)	E Metal	(1)

Question Number	Answer	Mark
11	Measured work - Bill of Quantities Preliminaries -Both Type of materials - Both Nominated Designers - Neither	(4)

Question Number	Answer	Mark
12	<p>First Fix Joinery</p> <ul style="list-style-type: none"> • Stud work – so plasterboarding and services can be fitted • Door frames – so plastering can finish flush • Door linings - ditto • Roof structural timber – so the roof finishes can be applied • Roof trusses - ditto • Fascia – so the roof tiles can be fitted • Floor joists/ flooring – so the walls can be secured • Stairs – so plastering can be finished <p>and any other reasonable answer</p> <p>1 mark brief description per item 2 marks for a more detailed description no marks for identification only (The above applies to a maximum of 2 described items)</p>	(4)

Question Number	Answer	Mark
13	<p>Advantages</p> <ul style="list-style-type: none"> • Easier to repair • Cheaper • Can insulate behind tiles to upgrade • Variety of colours and textures • aesthetics <p>Disadvantages</p> <ul style="list-style-type: none"> • easily damaged • every tile has to be nailed • prone to wind damage • poor aesthetics • difficult to access by ladder • requires special detailing around openings • difficult to clean <p>and any other reasonable answer</p> <p>No marks for identification only No marks for any identification 1 mark for a brief description of one advantage 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</p>	(4)

Further copies of this publication are available from
Edexcel Publications, Adamsway, Mansfield, Notts, NG18 4FN

Telephone 01623 467467

Fax 01623 450481

Email publication.orders@edexcel.com

Order Code DP031936 Summer 2012

For more information on Edexcel qualifications, please visit our website
www.edexcel.com

Pearson Education Limited. Registered company number 872828
with its registered office at Edinburgh Gate, Harlow, Essex CM20 2JE

Ofqual
■■■■■■■■■■



Llywodraeth Cynulliad Cymru
Welsh Assembly Government

