

Examiners' Report/
Principal Examiner Feedback

January 2012

Principal Learning
CB304 Create the Built
Environment: Health, Safety and
Environmental Influences

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 call our GCE line on 0844 576 0025, our GCSE team on 0844 576 0027, or visit our qualifications website at www.edexcel.com. For information about our BTEC qualifications, please call 0844 576 0026, or visit our website at www.btec.co.uk.

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.

Ask The Expert can be accessed online at the following link:

<http://www.edexcel.com/Aboutus/contact-us/>

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 raising achievement through innovation in education. Find out more about how we can help you and your students at: www.pearson.com/uk

January 2012

Publications Code DP030294

All the material in this publication is copyright

© Pearson Education Ltd 2012

Level 3 Unit 4 Create the Built Environment: Health, Safety and Environmental Influences

Q1

The majority of candidates provided two appropriate advantages of using renewable energy sources for a construction project, mainly focussed on sustainability over the long term and not causing pollution. Some candidates correctly identified appropriate advantages but failed to provide a description, and some provided responses focussed on a construction site, which did not attract any marks.

Q2

Candidates generally provided one description of reducing waste during concreting operations, mainly focussed on correct storage or avoiding over-ordering. Some candidates provided descriptions related to general waste reduction and did not focus on concreting operations. Some correctly identified two appropriate methods but failed to provide adequate descriptions, which did not attract any marks.

Q3

A few candidates provided one uninsured cost to a construction organisation associated with on-site accidents, mainly focussed on fines or legal costs. Many candidates provided descriptions of insured costs, for example compensation claims and many incorrectly provided general cost descriptions related to damaged materials. Some candidates correctly identified appropriate costs but failed to provide a description, which did not attract any marks.

Q4

A few candidates provided one benefit of using combined heat and power for a construction project, mainly focussed on reduced maintenance or centralised controls. Some candidates did not read the question correctly and provided disadvantages of CHP, and some provided responses focussed on a construction site rather than a construction project. Many candidates correctly identified appropriate benefits but failed to provide a description, which did not attract any marks.

Q5

The majority of candidates provided descriptions of three appropriate topics that could be included as part of a site induction, mainly focussed on site rules for safe procedures, manual handling on-site, and use of personal protective clothing. Some candidates provided a simple description of topics but failed to develop their answers and therefore did not attract full marks. Some correctly identified appropriate topics but failed to provide a description, which did not attract any marks.

Q6

Some candidates provided one description of an appropriate measure used to control dust during demolition, mainly focussed on the use of water sprays or screening the area. Some incorrectly focussed on site safety in terms of using personal protective equipment or exposure to asbestos. Candidates generally identified suitable methods but failed to develop their

answers into a description and therefore did not attract any marks, or only provided a simple description which did not attract full marks.

Q7

A few candidates provided two descriptions of suitable measures used to enforce health and safety legislation, mainly focussed on imposing fines for non-compliance and the use of prohibition notices. Many candidates incorrectly provided responses focussed on the use of risk assessments by site managers or provided information related to general safety measures for example the use fall prevention measures. Many candidates provided simple descriptions but failed to develop their answers into more detailed descriptions and therefore did not attract full marks.

Q8

Few candidates provided an appropriate explanation of the purpose of an Energy Performance Certificate, mainly focussing on information related to performance ratings and energy efficiency of a building. However, the majority of candidates demonstrated limited understanding of Energy performance Certificates and only provided one or two briefly explained purposes, limiting their marks. Candidates needed to provide a sound understanding for a range of fully explained purposes to attract full marks.

Q9

Some candidates provided appropriate descriptions of the main hazards to be considered during a risk assessment for erection of the timber frame, mainly focussed on lifting of the panels and falling from height. However, many candidates provided responses based on general site hazards not specific to the scenario, or failed to focus on the main hazards associated with the erection of the timber frame. The majority of candidates demonstrated limited understanding of appropriate risk assessment and only provided one or two briefly described hazards limiting their marks. Candidates needed to provide a sound understanding for a range of fully described hazards to attract full marks.

Q10

The response for this question required descriptions within a structure report. The majority of the candidates provided poorly structured reports with no introduction or conclusion and with a main content consisting of brief descriptions or lists of benefits. Many of the responses failed to adequately analyse the scenario and provided general benefits of modern methods of construction that were either not related to the scenario or not related to the environment. Only a few candidates provided responses using a good structured format including detailed descriptions and a conclusion based on the evidence produced within the body of the report. The majority of candidates demonstrated limited understanding of environmental benefits and only provided one or two briefly described benefits, limiting their marks. Candidates needed to provide a sound understanding for a range of fully described benefits to attract full marks.

Grade Boundaries

Grade boundaries for this, and all other papers, can be found on the website on this link:

<http://www.edexcel.com/iwantto/Pages/grade-boundaries.aspx>

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 DP030294 January 2012

For more information on Edexcel qualifications, please visit
www.edexcel.com/quals

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

