

Examiners' Report/
Principal Examiner Feedback

Summer 2012

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

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

Question 1

The majority of candidates described two appropriate types of renewable energy source that could be used for a new construction project, mainly focussed on solar panels, wind turbines or ground source heat pumps. Some candidates provided simple descriptions but failed to develop their answers and therefore did not attract full marks. Some candidates correctly identified appropriate types of energy source but failed to provide a description, and some provided responses focussed on a construction site, which did not attract any marks.

Question 2

Candidates generally provided one description of the duty of an employee under the Health and Safety at Work Act, mainly focussed on the requirement to use personal protective equipment provided by the employer. Some candidates provided simple descriptions but failed to develop their answers and therefore did not attract full marks. Some candidates provided descriptions of duties related to an employer and some correctly identified two appropriate duties but failed to provide descriptions, which did not attract any marks.

Question 3

Some candidates provided appropriate descriptions of two measures used to control noise from construction operations, mainly related to providing screening around a construction site and restrictions on working times. Some candidates provided simple descriptions but failed to develop their answers and therefore did not attract full marks. Some candidates incorrectly described types of personal protective equipment and many correctly identified appropriate noise control measures but failed to provide a description, which did not attract any marks.

Question 4

The majority of candidates provided simple descriptions of two appropriate types of portable energy supply suitable for use on a construction site, mainly focussed on petrol generators and solar energy to charge batteries. Some candidates provided simple descriptions but failed to develop their answers and therefore did not attract full marks. Some candidates incorrectly described permanent energy supplies for a project and many correctly identified appropriate types of energy supply but failed to provide a description, which did not attract any marks.

Question 5

A few candidates provided suitable descriptions of requirements contained within PUWER, mainly focussed on inspection/maintenance of equipment before use, and the provision of user training. Some candidates provided simple descriptions but failed to develop their answers and therefore did not attract full marks, and some correctly identified appropriate requirements but failed to provide a description which did not attract any marks.

Question 6

Some candidates provided descriptions of appropriate methods used to protect adjacent buildings during demolition operations, mainly focussed on the use of protective screening, the provision of raking, flying or dead shores. Some candidates

provided simple descriptions but failed to develop their answers and therefore did not attract full marks. Some incorrectly focussed on providing protection for the general public or providing protection for site personnel and many correctly identified appropriate methods but failed to provide a description, which did not attract any marks.

Question 7

The majority of candidates described two appropriate costs that could apply to a construction project during its life cycle, mainly focussed on maintenance and operating costs. Many candidates provided simple descriptions but failed to develop their answers into more detailed descriptions and therefore did not attract full marks and some correctly identified appropriate costs but failed to provide a description which did not attract any marks.

Question 8

Few candidates provided an appropriate explanation of the benefits of using a district heating system, mainly focussing on lower energy and maintenance costs. The majority of candidates demonstrated limited understanding of district heating systems and only provided one or two briefly explained benefits, limiting their marks. Candidates needed to provide a sound understanding for a range of fully explained purposes to attract full marks.

Question 9

Some candidates provided appropriate descriptions of how the developer can ensure that materials used for the development are sustainable, the responses were mainly related to sourcing, selection, transport and recycling of materials. The majority of candidates demonstrated limited understanding of sustainable materials with only one or two methods briefly described. Candidates needed to provide a sound understanding for a range of methods specifically focussed on the project to attract full marks.

Question 10

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 safe working practices. 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 safe working practices related to the use of ladders only providing one or two briefly described practices, mainly related to safe working angle, securing at the top and safe ascending and descending. Candidates needed to provide a sound understanding for a range of fully described working practices to attract full marks.

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