

## SPECIMEN PAPER

### UNIT 7 - VALUE AND USE OF THE BUILT ENVIRONMENT: PROTECTING AND MAINTAINING



Centre Number						Candidate Number				
Surname										
Other Names										
Candidate Signature										

For Examiner's Use	
Examiner's Initials	
Question	Mark
1	
2	
3	
4	
5	
TOTAL	



Level 3 Diploma Principal Learning  
Specimen Paper

# Construction and the Built Environment

## CBE3U7

### Unit 7 Value and use of the built environment: protecting and maintaining (CBE3U7)

Date      Time

**For this paper you must have:**

- A pen, a pencil, an eraser and a pencil sharpener

**Time allowed**

- 2 hours

**Instructions**

- Use black ink or black ball-point pen.
- Fill in the boxes at the top of this page.
- Answer **all** questions.
- You must answer questions in the spaces provided. Answers written in margins or on blank pages will not be marked.
- Do all rough work in the book. Cross through any work you do not want to be marked.

**Information**

- The maximum mark for this paper is 60.
- The marks for questions are shown in brackets.
- You are reminded of the need for good English and clear presentation in your answers.



**ENG3U7**

Answer **all** the questions.

- 1** Discuss the reasons why building materials deteriorate in time and describe the strategies that can be used to minimise this deterioration.

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*(18 marks)*

- 2** Describe with the use of sketches and/or drawings, the components of a ground-source heat pump and explain how heat pumps can reduce building energy costs and carbon emissions.

*(12 marks)*





**5** Identify two construction professionals who may be involved in a building refurbishment project.

Describe the type of work done by each professional, and identify the professional institutions or organisations of which they may be members.

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*(6 marks)*

**END OF QUESTIONS**