

Write your name here	
Surname	Other names
Edexcel Principal Learning	Centre Number
	Candidate Number
Construction and the Built Environment Level 3 Unit 7: Value and Use of the Built Environment: Protecting and Maintaining	
Wednesday 9 June 2010 – Morning Time: 1 hour 30 minutes	Paper Reference CB307/01
You do not need any other materials.	Total Marks

Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided
– *there may be more space than you need.*

Information

- The total mark for this paper is 60.
- The marks for **each** question are shown in brackets
– *use this as a guide as to how much time to spend on each question.*

Advice

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end.

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Answer ALL questions. Write your answers in the space provided.

SECTION A

1 Describe **four** activities that could be undertaken as part of a cyclical maintenance programme for an office building.

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(Total for Question 1 = 8 marks)



2 Describe **four** benefits of using **biomass fuel** as a means of reducing the impact of buildings on the natural environment.

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(Total for Question 2 = 8 marks)



3 Describe **four** aims of a planned maintenance programme for built assets.

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(Total for Question 3 = 8 marks)

TOTAL FOR SECTION A = 24 MARKS



SECTION B

4 Describe **three** methods of reducing waste water from a building via the drainage system.

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(Total for Question 4 = 6 marks)



5 Describe **three** factors that should be considered during consultation with a client as part of a feasibility study for planned maintenance work.

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(Total for Question 5 = 6 marks)



6 Describe the **impact** on asset management of **three** Statutory Acts or Regulations.

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(Total for Question 6 = 6 marks)

TOTAL FOR SECTION B = 18 MARKS



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SECTION C

All questions in Section C refer to the following:

Asset type	Number
Housing	14357
Domestic garages	1873
Administrative buildings	18
Primary schools	23
Secondary schools	9
Sports centres	2
Libraries	4
Hostels	5
Museums	2

(Source: Extract from local authority Built Asset Register 2008/2009)

A local authority's Built Asset Register includes a range of building types that need to be maintained throughout their whole life. The authority's aim is to improve the quality of life for all of the local community by providing built assets that are effectively managed and fit for purpose.



7 Describe and analyse **two** ways in which the built assets identified on the register can meet the stated aim of the local authority.

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(Total for Question 7 = 6 marks)



8 Describe and evaluate **two** different methods that can be used to reduce energy demand from the built assets on the local authority's register.

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(Total for Question 8 = 6 marks)



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