

Write your name here

Surname

Other names

Edexcel
Principal Learning

Centre Number

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Candidate Number

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Construction and the Built Environment
Level 3
Unit 7: Value and Use of the Built Environment:
Protecting and Maintaining

Monday 10 June 2013 – 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.

Turn over ►

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PEARSON

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

SECTION A

1 Describe **four** specific maintenance requirements of a building's external envelope. Each one should relate to a different element.

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(Total for Question 1 = 8 marks)



2 Describe **four** ways that asset management can help increase a building's lifespan.

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(Total for Question 2 = 8 marks)



3 Describe **four** environmental benefits of using green roof technology for building projects.

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(Total for Question 3 = 8 marks)

TOTAL FOR SECTION A = 24 MARKS



SECTION B

4 Describe how **three** relevant Acts or Regulations impact on asset management.

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(Total for Question 4 = 6 marks)



5 Describe **three** benefits of using proactive maintenance for a building project.

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(Total for Question 5 = 6 marks)



6 Describe **three** benefits to the environment of using reed bed filtration systems for drainage waste.

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(Total for Question 6 = 6 marks)

TOTAL FOR SECTION B = 18 MARKS



SECTION C

All questions in Section C refer to the following construction scenario.



Sustainable community

In line with the government's Sustainable Communities Agenda, a private developer has designed and built a settlement consisting of houses, shops, public buildings and open park space. It has created a place where people want to live in ways which are sustainable and sensitive to their environment. The houses have been built using sustainable techniques, and construction materials have been selected to help minimise future maintenance and repair requirements.



9 With reference to the scenario, describe the features of a sustainable community.

Dotted lines for writing the answer.

(Total for Question 9 = 6 marks)

TOTAL FOR SECTION C = 18 MARKS
TOTAL FOR PAPER = 60 MARKS



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