Write your name here Surname	Other nam	es
Edexcel Principal Learning	Centre Number	Candidate Number
Construction and the Built Environment Level 3 Unit 1: Design the Built Environment: The Design Factors		
Wednesday 11 January 201 Time: 1 hour 30 minutes	2 – Afternoon	Paper Reference CB301/01
You do not need any other ma	terials.	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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Turn over ▶

PEARSON

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

SECTION A

1	(a) Describe two methods a project designer could use to reduce traffic speed when designing low speed areas.	
		(4)
1.		
2 .		
	(b) Describe two features of a rainwater harvesting system that could be incorporate	-d
	into a new project at the design stage.	
		(4)
1		(4)
1.		(4)
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1	(Total for Question 1 = 8 ma	



	Describe three ways that the availability of land could influence the design and development of new projects.
1	
2	
	(Total for Question 2 = 6 marks)
	, ,



3	Describe three benefits of using a sustainable urban drainage system (SUDS).	
1		
2		
3		
	(Total for Question 3 = 6 marks)	
-	TOTAL FOR SECTION A = 20 MARKS	

SECTION B 4 Describe **four** ways that the climate can affect the design of a building. (Total for Question 4 = 8 marks)



5	Describe three functional requirements to be considered when designing a roof structure.
1.	
2.	
3 .	
	(Total for Question 5 = 6 marks)

6	6 The construction sector is greatly dependent on changes in the economy.	
	Explain three ways that cyclical periods of boom and bust in the economy can affect construction activity.	
1		
2		
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_		
3		
_	(Total for Question 6 = 6 marks)	
	TOTAL FOR SECTION B = 20 MARKS	



SECTION C

7	In a report, the Communities and Local Government Select Committee found that the Decent Homes Programme had a 'dramatic positive effect on the living conditions of most social housing tenants'.	
	Discuss the key components of the Decent Homes Programme.	



 (Total for Question 7 = 20 marks)
TOTAL FOR SECTION S. COMARKS
TOTAL FOR SECTION C = 20 MARKS TOTAL FOR PAPER = 60 MARKS









