Please write clearly in block capitals.

Centre number | | | | | | Candidate number | | | | |

Surname _____

Forename(s) _____

Candidate signature _____

A-level
INFORMATION AND COMMUNICATION TECHNOLOGY

Unit 3 The Use of ICT in the Digital World

Wednesday 22 June 2016 Morning Time allowed: 2 hours

Materials

For this paper you must have:
- a clean copy of the Candidate Booklet (enclosed for you to use when answering questions in Section A).

Instructions
- Use black ink or black ball-point pen. Use pencil only for drawing.
- Fill in the boxes at the top of this page.
- Answer **all** questions.
- You must answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.
- Do all rough work in this book. Cross through any work you do not want to be marked.

Information
- The maximum mark for this paper is 100.
- The marks for questions are shown in brackets.
- Question 8 should be answered in continuous prose. In this question you will be marked on your ability to use good English, organise information clearly and use specialist vocabulary where appropriate.

Do not write outside the box

Section A

Answer **all** questions in the spaces provided.

1 The Beautiful Bedrooms Partnership (BBP) has back office systems which are costly to maintain.

Using an example, define the term 'back office systems'.

[3 marks]

3

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2 **(a)** Using examples, describe the SaaS and PaaS cloud computing options suggested by the consultants.

[8 marks]

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2 (b) Explain why the consultants suggested the SaaS platform should be used initially.

[7 marks]

15

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Turn over for the next question

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ANSWER IN THE SPACES PROVIDED

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3 Discuss the advantages and disadvantages of BBP implementing a BYOD policy.

[15 marks]

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15

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4 Explain how ICT systems could be used to implement a 'just in time' operation for BBP.

[12 marks]

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12

Turn over for Section B

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Section B

Answer **all** questions in the spaces provided.

5 (a) For each of the three situations described in **Table 1**, identify the applicable legislation and insert the appropriate letter (A, B, C, or D) in the box.

[3 marks]

A Consumer Contract Regulations 2013

B Computer Misuse Act 1990

C Equality Act 2010

D The Telecommunications (Lawful Business Practice) (Interception of Communications) Regulations 2000

Table 1

	Situation	Applicable legislation
(i)	Providing the disabled with accessibility to websites	
(ii)	Providing seller information on e-commerce websites.	
(iii)	Employer accessing employee's emails	

5 (b) With reference to the principles of the Data Protection Act 1998, explain the procedures that could be used to ensure compliance with this Act.

[10 marks]

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13

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6 Describe, using examples, the following types of systems:

- Transaction Processing Systems
- Management Information Systems
- Decision Support Systems

[10 marks]

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10

Turn over for the next question

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7 Explain the issues involved in testing large ICT systems.

[12 marks]

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12

Turn over for the next question

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8 An organisation is about to develop a corporate system using a linear development method.

Discuss the likely client and user involvement at each stage of the development process.

[20 marks]

In this question you will be marked on your ability to use good English, to organise information clearly and to use specialist vocabulary where appropriate.

This space is available for planning your answer, if you wish to use it.

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END OF QUESTIONS

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