

ADVANCED General Certificate of Education 2015

	C	Centr	e Nu	mber			
Candidate Number							
	Can	didat	e Nu	mber			

Information and Communication

Technology

Assessment Unit A2 1 assessing
Module 3:

Information Systems



[AP211]

MONDAY 1 JUNE, MORNING

AP211

TIME

2 hours.

INSTRUCTIONS TO CANDIDATES

Write your Centre Number and Candidate Number in the spaces provided at the top of this page.

You must answer the questions in the spaces provided.

Do not write outside the boxed area on each page or on blank pages.

Complete in blue or black ink only. Do not write with a gel pen.

Answer all seven questions.

INFORMATION FOR CANDIDATES

The total mark for this paper is 120 including a maximum of 5 for quality of written communication.

Figures in brackets printed down the right-hand side of pages indicate the marks awarded to each question or part question.



	nospital makes extensive use of ICT.
(a)	The hospital uses a centralised database.
	Describe the main features of a centralised database.

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(b)	Explain how each of the following could be used to keep data about patients secure.
	Data encryption
	Access rights
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(a) Evol	ain how this component will be created	
(c) Expl	ain how this component will be created.	

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(a)	Describe the role of the end user during the Analysis stage.	
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		. [
(b)	Describe one other way in which the end user is directly involved during the	
	development of the system.	
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C)	
	Describe how an information system is developed using RAD.
d)	Explain how a project management CASE tool could be used.
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	(e)	Name and describe two other CASE tools.	
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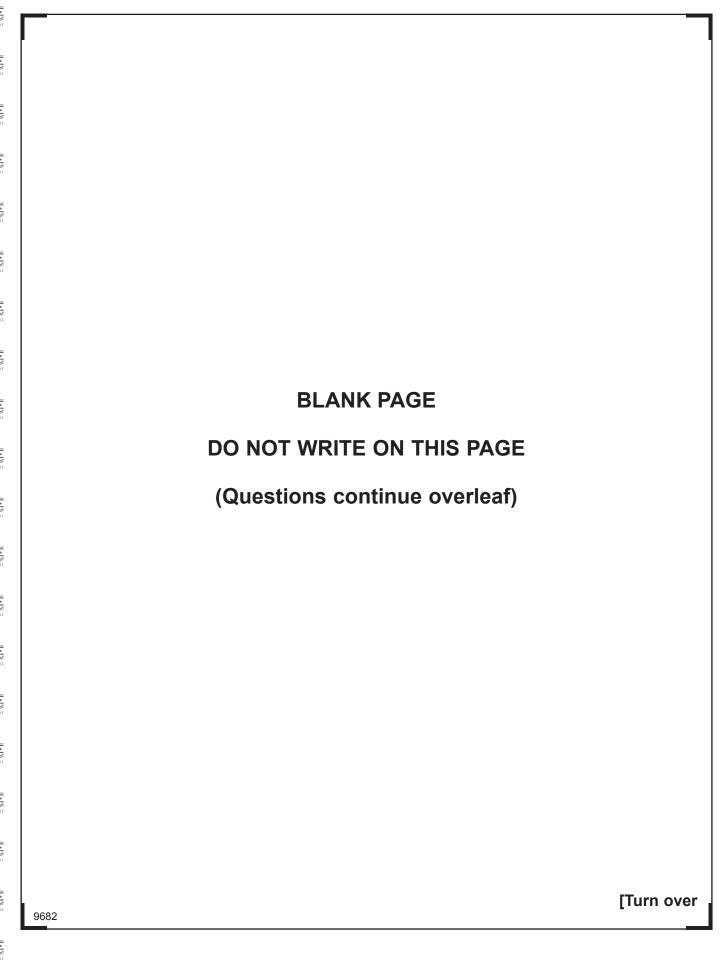
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(a)	Name and describe two psychological factors which should be considered in the design of the user interface.
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(-)) Describe the main features of a command line interface.	
(ii	i) Identify two benefits of a command line interface.	
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Details of two teams are shown below.

Team ID	Team Name	Employee ID	Employee Name	Dept ID	Dept Name
T001	Sales	E021	Green	D011	Marketing
		E036	Plum	D011	Marketing
		E034	Brown	D012	IT
		E045	Black	D012	IT
		E056	White	D013	Finance
T002	Research	E021	Green	D011	Marketing
		E022	Grey	D012	IT
		E045	Black	D012	IT
		E056	White	D013	Finance

(b) Produce an ER diagram, which does not contain a many-to-many relationship, for the data represented in the table.

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(c)	Normalise the data in the table to 3NF showing all your work.	
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(a)	Describe one benefit of parallel running.	
(b)	Name and describe two other changeover methods.	
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		i
Us	er support and training is provided for users of an information system.	
(c)	Explain how a user could get help with a specific problem from each of the following:	
	A help desk	
	A user group	
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(d) Evaluate the use of video conferencing for training users of the new system.	
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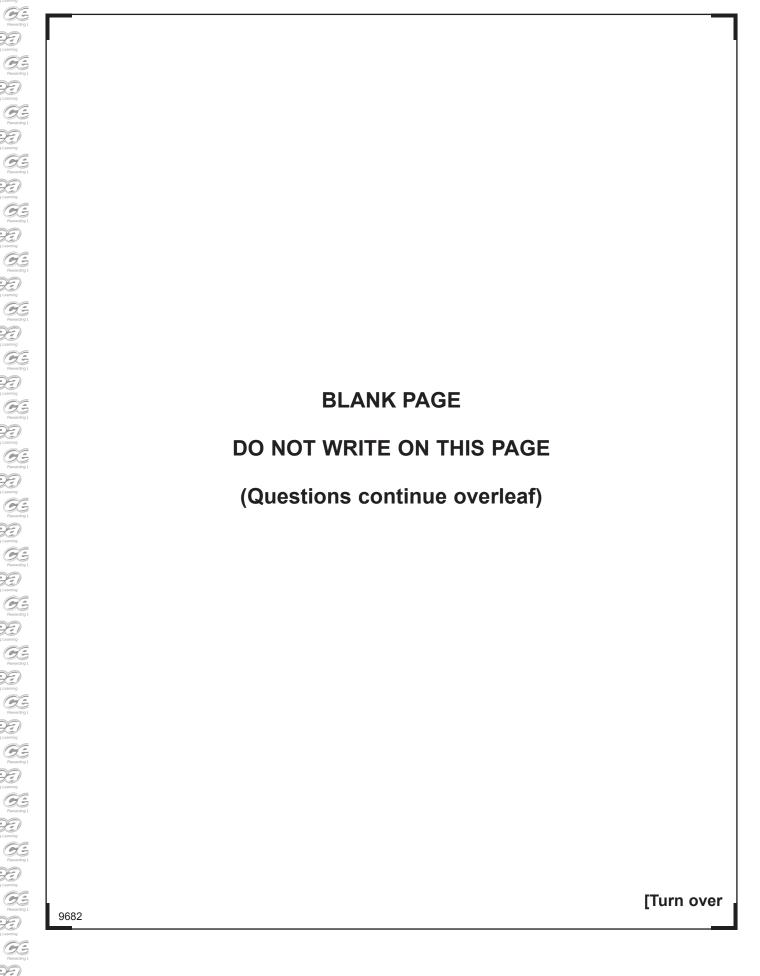
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	rganisations using ICT must comply with relevant legislation. Describe the main features of	
`	The Computer Misuse Act	
	The Data Protection Act	
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(b)	A company has implemented an acceptable use policy.	
	Describe the main responsibilities of employees when using ICT.	
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7	As more people shop online, there is an increased risk of fraud.
	Write a report explaining
	How ICT can be used to carry out online fraud
	Measures a retailer could take to minimise the risk of online fraud
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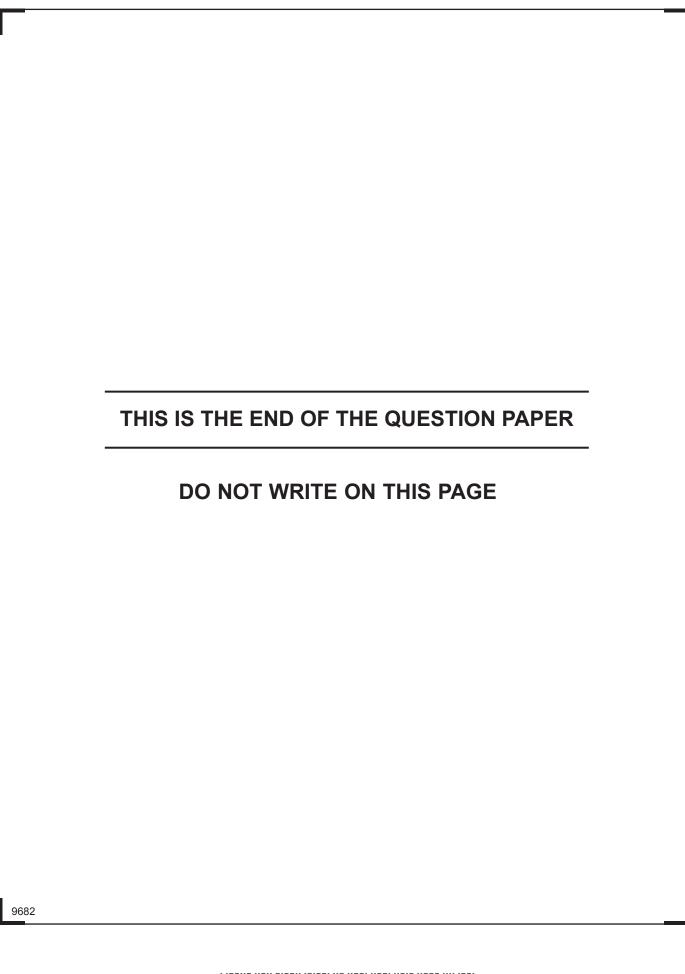
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