



Oxford Cambridge and RSA

# **Cambridge Technicals IT**

## **Unit CC: Cloud Technology**

Level 3 Cambridge Technical in IT  
**05877**

## **Mark Scheme for January 2024**

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This mark scheme is published as an aid to teachers and students, to indicate the requirements of the examination. It shows the basis on which marks were awarded by examiners. It does not indicate the details of the discussions which took place at an examiners' meeting before marking commenced.

All examiners are instructed that alternative correct answers and unexpected approaches in candidates' scripts must be given marks that fairly reflect the relevant knowledge and skills demonstrated.

Mark schemes should be read in conjunction with the published question papers and the report on the examination.

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Question	Answer	Marks
1	C	1
2	D	1
3	B C	1
4	B	1
5	C	1
6	B	1
7	FALSE	1
8	C	1
9	TRUE	1
10	A	1
11	C	1
12	A B E	1
13	TRUE	1
14	A	1
15	B D	1
16	TRUE	1
17	A B	1
18	A B C	1

Question	Answer	Marks				
19	<table border="1"> <tr> <td data-bbox="336 236 757 272">Fixed cost</td> <td data-bbox="757 236 1176 272">Variable cost</td> </tr> <tr> <td data-bbox="336 272 757 309">A, D, G</td> <td data-bbox="757 272 1176 309">B, C, E, F</td> </tr> </table>	Fixed cost	Variable cost	A, D, G	B, C, E, F	1
Fixed cost	Variable cost					
A, D, G	B, C, E, F					
20	A	1				
21	A	1				
22	A	1				
23	<b>Developers</b> do not need to worry about the platform or infrastructure <b>prior</b> to development and this will <b>improve</b> the speed of internal development and <b>deployment</b>	1				
24	A B D	1				
25	B D	1				
26	C	1				
27	B	1				
28	B	1				
29	A	1				
30	D	1				
31	C	1				
32	B	1				
33	C	1				
34	B C D	1				

Question	Answer	Marks								
35	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; padding: 5px;">Data Integration</td> <td rowspan="3" style="width: 10%; text-align: center; vertical-align: middle;"> </td> <td style="width: 60%; padding: 5px;">Required for the understanding of SLAs</td> </tr> <tr> <td style="padding: 5px;">Project Management</td> <td style="padding: 5px;">Required to deliver transition from traditional IT to using cloud services</td> </tr> <tr> <td style="padding: 5px;">Vendor Management</td> <td style="padding: 5px;">Taking data from disparate sources and consolidate then into one database</td> </tr> </table>	Data Integration		Required for the understanding of SLAs	Project Management	Required to deliver transition from traditional IT to using cloud services	Vendor Management	Taking data from disparate sources and consolidate then into one database	1	
Data Integration		Required for the understanding of SLAs								
Project Management		Required to deliver transition from traditional IT to using cloud services								
Vendor Management		Taking data from disparate sources and consolidate then into one database								
36	D	1								
37	B	1								
38	A	1								
39	Security and compliance skills involve ensuring that the <b>cloud</b> service and the way in which the organisation interacts with it does not <b>compromise</b> data security in terms of any <b>legal</b> or compliance <b>regulations</b> .	1								
40	C	1								
41	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th style="width: 50%;">Protocol</th> <th style="width: 50%;">Service</th> </tr> <tr> <td>HTTP</td> <td>DHCP</td> </tr> <tr> <td>SMTP</td> <td>DNS</td> </tr> <tr> <td>TCP/IP</td> <td></td> </tr> </table>	Protocol	Service	HTTP	DHCP	SMTP	DNS	TCP/IP		1
Protocol	Service									
HTTP	DHCP									
SMTP	DNS									
TCP/IP										
42	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; padding: 5px;">Application</td> <td rowspan="3" style="width: 10%; text-align: center; vertical-align: middle;"> </td> <td style="width: 60%; padding: 5px;">An electronic system that allows data to be easily stored</td> </tr> <tr> <td style="padding: 5px;">Database</td> <td style="padding: 5px;">Any program designed for the end-user</td> </tr> <tr> <td style="padding: 5px;">Operating System</td> <td style="padding: 5px;">Software that supports a computers basic function</td> </tr> </table>	Application		An electronic system that allows data to be easily stored	Database	Any program designed for the end-user	Operating System	Software that supports a computers basic function	1	
Application		An electronic system that allows data to be easily stored								
Database		Any program designed for the end-user								
Operating System		Software that supports a computers basic function								
43	C	1								

Question	Answer	Marks				
44	FALSE	1				
45	1. Cold air rises out of the floor 2. Cold air pulled through the server 3. Discharged hot air rises towards the ceiling 4. Hot air pulled back into the air conditioner	1				
46	D	1				
47	C	1				
48	D	1				
49	FALSE	1				
50	D	1				
51	A	1				
52	A D	1				
53	D	1				
54	A	1				
55	B	1				
56	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; text-align: center;">Relevant</th> <th style="width: 50%; text-align: center;">Not Relevant</th> </tr> </thead> <tbody> <tr> <td style="vertical-align: top;">A B E</td> <td style="vertical-align: top;">C D</td> </tr> </tbody> </table>	Relevant	Not Relevant	A B E	C D	1
Relevant	Not Relevant					
A B E	C D					
57	FALSE	1				
58	C	1				

Question	Answer	Marks								
59	B	1								
60	D	1								
61	D	1								
62	D	1								
63	C	1								
64	FALSE	1								
65	A B D	1								
66	<table border="1" data-bbox="338 694 1458 831"> <thead> <tr> <th data-bbox="338 694 898 730">Capex</th> <th data-bbox="898 694 1458 730">Opex</th> </tr> </thead> <tbody> <tr> <td data-bbox="338 730 898 767">D</td> <td data-bbox="898 730 1458 767">A</td> </tr> <tr> <td data-bbox="338 767 898 804">E</td> <td data-bbox="898 767 1458 804">B</td> </tr> <tr> <td></td> <td data-bbox="898 804 1458 831">C</td> </tr> </tbody> </table>	Capex	Opex	D	A	E	B		C	1
Capex	Opex									
D	A									
E	B									
	C									
67	D	1								
68	<ol style="list-style-type: none"> <li>1. The text is converted to a pre-hash code</li> <li>2. The sender's private key would be generated using an algorithm</li> <li>3. The pre-hash code is encrypted using the sender's private key</li> <li>4. The message is encrypted using the sender's private key</li> <li>5. The sender of the message retrieves the public key of the person the message is being sent to</li> <li>6. The sender encrypts the secret key with the recipient's public key</li> </ol>	1								
69	D	1								
70	B	1								

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