

**Cambridge Technicals  
IT**

**Unit CC: Cloud Technology**

Level 3 Cambridge Technical in IT  
**05877**

**Mark Scheme for January 2023**

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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	D	1
2	C	1
3	C	1
4	C	1
5	D	1
6	B	1
7	A, B, C	1
8	B	1
9	D	1
10	C	1
11	True	1
12	A	1
13	True	1
14	C, D	1
15	B	1
16	B, C, D	1
17	True	1
18	C	1

Question	Answer	Marks
19	B	1
20	B, D, E	1
21	A, E, F	1
22	D	1
23	False	1
24	C	1
25	A	1
26	B	1
27	A	1
28	A, B	1
29	C	1
30	C	1
31	C	1

Question	Answer	Marks										
32	IaaS – Load balancers, firewalls PaaS – Programming languages, frameworks, editors SaaS – Social networks, video processing, CRM	1										
33	A	1										
34	In a PaaS environment, the <b>cloud vendor</b> provides the <b>platform</b> to develop on and the <b>organisation</b> is responsible for developing their <b>applications</b> .	1										
35	D	1										
36	<table border="1" data-bbox="336 628 1135 804"> <thead> <tr> <th data-bbox="336 628 736 663">Cloud Vendor</th> <th data-bbox="736 628 1135 663">Organisation</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 663 736 699">C</td> <td data-bbox="736 663 1135 699">A</td> </tr> <tr> <td data-bbox="336 699 736 734">D</td> <td data-bbox="736 699 1135 734">B</td> </tr> <tr> <td data-bbox="336 734 736 769">E</td> <td data-bbox="736 734 1135 769"></td> </tr> <tr> <td data-bbox="336 769 736 804">F</td> <td data-bbox="736 769 1135 804"></td> </tr> </tbody> </table>	Cloud Vendor	Organisation	C	A	D	B	E		F		1
Cloud Vendor	Organisation											
C	A											
D	B											
E												
F												
37	D	1										
38	<table border="1" data-bbox="336 900 1529 1046"> <thead> <tr> <th data-bbox="336 900 736 935">Cloud Architect</th> <th data-bbox="736 900 1135 935">Cloud Service Manager</th> <th data-bbox="1135 900 1529 935">Both</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 935 736 970">B</td> <td data-bbox="736 935 1135 970">A</td> <td data-bbox="1135 935 1529 970">C</td> </tr> <tr> <td data-bbox="336 970 736 1005">D</td> <td data-bbox="736 970 1135 1005">E</td> <td data-bbox="1135 970 1529 1005"></td> </tr> </tbody> </table>	Cloud Architect	Cloud Service Manager	Both	B	A	C	D	E		1	
Cloud Architect	Cloud Service Manager	Both										
B	A	C										
D	E											
39	B	1										
40	B	1										

Question	Answer	Marks									
41	<ul style="list-style-type: none"> <li>• Build a migration plan</li> <li>• Engage a cloud partner</li> <li>• Create an inventory of the infrastructure</li> <li>• Prepare environment</li> <li>• Move services into cloud</li> </ul>	1									
42	False	1									
43	A	1									
44	A	1									
45	B	1									
46	C, D, E	1									
47	A, B	1									
48	A	1									
49	C	1									
50	False	1									
51	C	1									
52	<table border="1" style="width: 100%; text-align: center;"> <tr> <td data-bbox="336 1134 736 1169">Edit</td> <td data-bbox="736 1134 1135 1169">View</td> <td data-bbox="1135 1134 1529 1169">Both</td> </tr> <tr> <td data-bbox="336 1169 736 1204">B</td> <td data-bbox="736 1169 1135 1204">C</td> <td data-bbox="1135 1169 1529 1204">A D</td> </tr> <tr> <td data-bbox="336 1204 736 1240">E</td> <td></td> <td></td> </tr> </table>	Edit	View	Both	B	C	A D	E			1
Edit	View	Both									
B	C	A D									
E											
53	A, B	1									

Question	Answer	Marks
54	D	1
55	B	1
56	D	1
57	D	1
58	System Availability – The amount of time that a user is able to gain access to cloud resources Mean Time Between Failure – The amount of time that a component will work for Throughput – The average data rate that is achievable of a given time period	1
59	True	1
60	Discussions between the cloud vendor and customer Discussions between the senior management of the cloud vendor and customer Independent mediation Legal intervention	1
61	In a multi-tenant application deployment, a <b>dedicated</b> share of the application <b>processing</b> time is allocated to each <b>customer</b> and the data is kept <b>private</b> from other companies accessing the same application.	1
62	C	1
63	B	1

Question	Answer			Marks
64	Cloud Provider	Customer	Both	1
	B  E	C	A  D	
65	False			1
66	A, D, E			1
67	A			1
68	A			1
69	A			1
70	True			1



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