

**Cambridge Technicals
IT**

Unit : **Cloud Technology**

Level 3 Cambridge Technical in IT

Mark Scheme for January 2021

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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 | A/E/F | 1 | | | | | | | | |
| 3 | A/B/E | 1 | | | | | | | | |
| 4 | A/D | 1 | | | | | | | | |
| 5 | B | 1 | | | | | | | | |
| 6 | D | 1 | | | | | | | | |
| 7 | B/C | 1 | | | | | | | | |
| 8 | TRUE | 1 | | | | | | | | |
| 9 | A/B | 1 | | | | | | | | |
| 10 | C | 1 | | | | | | | | |
| 11 | TRUE | 1 | | | | | | | | |
| 12 | <table border="1"> <thead> <tr> <th data-bbox="315 951 779 986">Organisational role</th> <th data-bbox="779 951 1243 986">Role description</th> </tr> </thead> <tbody> <tr> <td data-bbox="315 986 779 1054">Support desk staff</td> <td data-bbox="779 986 1243 1054">Negotiate service level contracts</td> </tr> <tr> <td data-bbox="315 1054 779 1123">Vendor management staff</td> <td data-bbox="779 1054 1243 1123">Monitor cloud resources</td> </tr> <tr> <td data-bbox="315 1123 779 1192">Network operation centre staff</td> <td data-bbox="779 1123 1243 1192">Manage incidents and problems</td> </tr> </tbody> </table> | Organisational role | Role description | Support desk staff | Negotiate service level contracts | Vendor management staff | Monitor cloud resources | Network operation centre staff | Manage incidents and problems | 1 |
| Organisational role | Role description | | | | | | | | | |
| Support desk staff | Negotiate service level contracts | | | | | | | | | |
| Vendor management staff | Monitor cloud resources | | | | | | | | | |
| Network operation centre staff | Manage incidents and problems | | | | | | | | | |
| 13 | B | 1 | | | | | | | | |
| 14 | C | 1 | | | | | | | | |

| Question | Answer | Marks | | | | | | | | | | | | |
|----------|--|-------|----------|---|---|---|--|---|--|---|--|---|--|---|
| 15 | A | 1 | | | | | | | | | | | | |
| 16 | FALSE | 1 | | | | | | | | | | | | |
| 17 | TRUE | 1 | | | | | | | | | | | | |
| 18 | FALSE | 1 | | | | | | | | | | | | |
| 19 | C | 1 | | | | | | | | | | | | |
| 20 | B/C/D | 1 | | | | | | | | | | | | |
| 21 | <table border="1"> <thead> <tr> <th>Fixed</th> <th>Variable</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>D</td> </tr> <tr> <td>B</td> <td></td> </tr> <tr> <td>C</td> <td></td> </tr> <tr> <td>E</td> <td></td> </tr> <tr> <td>F</td> <td></td> </tr> </tbody> </table> | Fixed | Variable | A | D | B | | C | | E | | F | | 1 |
| Fixed | Variable | | | | | | | | | | | | | |
| A | D | | | | | | | | | | | | | |
| B | | | | | | | | | | | | | | |
| C | | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | | |
| F | | | | | | | | | | | | | | |
| 22 | B | 1 | | | | | | | | | | | | |
| 23 | C | 1 | | | | | | | | | | | | |
| 24 | B | 1 | | | | | | | | | | | | |
| 25 | D | 1 | | | | | | | | | | | | |
| 26 | C | 1 | | | | | | | | | | | | |
| 27 | TRUE | 1 | | | | | | | | | | | | |

| Question | Answer | | Marks | | | | | | | | |
|---------------------|---|------|---------------------|-------------|------------------|--|------|--|------|--|---|
| 28 | <table border="1"> <thead> <tr> <th data-bbox="297 212 775 258">SaaS</th> <th data-bbox="775 212 1240 258">PaaS</th> </tr> </thead> <tbody> <tr> <td data-bbox="297 258 775 416">A D F</td> <td data-bbox="775 258 1240 416">B C E F</td> </tr> </tbody> </table> | SaaS | PaaS | A D F | B C E F | | 1 | | | | |
| SaaS | PaaS | | | | | | | | | | |
| A D F | B C E F | | | | | | | | | | |
| 29 | <table border="1"> <thead> <tr> <th data-bbox="297 416 651 462">Cloud service model</th> <th data-bbox="651 416 1240 462">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="297 462 651 639">IaaS</td> <td data-bbox="651 462 1240 639">A cloud service model which is typically used to make a reusable cloud service widely available to a range of cloud consumers.</td> </tr> <tr> <td data-bbox="297 639 651 740">SaaS</td> <td data-bbox="651 639 1240 740">Any technology which is delivered over the internet.</td> </tr> <tr> <td data-bbox="297 740 651 903">XaaS</td> <td data-bbox="651 740 1240 903">A cloud service model which represents a self-contained IT environment that can be accessed and managed via the cloud.</td> </tr> </tbody> </table> | | Cloud service model | Description | IaaS | A cloud service model which is typically used to make a reusable cloud service widely available to a range of cloud consumers. | SaaS | Any technology which is delivered over the internet. | XaaS | A cloud service model which represents a self-contained IT environment that can be accessed and managed via the cloud. | 1 |
| Cloud service model | Description | | | | | | | | | | |
| IaaS | A cloud service model which is typically used to make a reusable cloud service widely available to a range of cloud consumers. | | | | | | | | | | |
| SaaS | Any technology which is delivered over the internet. | | | | | | | | | | |
| XaaS | A cloud service model which represents a self-contained IT environment that can be accessed and managed via the cloud. | | | | | | | | | | |
| 30 | A | | 1 | | | | | | | | |
| 31 | D | | 1 | | | | | | | | |
| 32 | B | | 1 | | | | | | | | |
| 33 | B/D/F | | 1 | | | | | | | | |
| 34 | A | | 1 | | | | | | | | |
| 35 | D | | 1 | | | | | | | | |

| Question | Answer | Marks | | | | | | | | |
|---------------------|--|---------------------|-------------------------------|------|------------------------------|------|-----------------------|------|----------------------|---|
| 36 | <table border="1"> <thead> <tr> <th data-bbox="309 228 779 264">Cloud service model</th> <th data-bbox="779 228 1245 264">Organisational responsibility</th> </tr> </thead> <tbody> <tr> <td data-bbox="309 264 779 301">IaaS</td> <td data-bbox="779 264 1245 301">Provide development platform</td> </tr> <tr> <td data-bbox="309 301 779 338">PaaS</td> <td data-bbox="779 301 1245 338">Create virtual server</td> </tr> <tr> <td data-bbox="309 338 779 375">SaaS</td> <td data-bbox="779 338 1245 375">Provide applications</td> </tr> </tbody> </table> | Cloud service model | Organisational responsibility | IaaS | Provide development platform | PaaS | Create virtual server | SaaS | Provide applications | 1 |
| Cloud service model | Organisational responsibility | | | | | | | | | |
| IaaS | Provide development platform | | | | | | | | | |
| PaaS | Create virtual server | | | | | | | | | |
| SaaS | Provide applications | | | | | | | | | |
| 37 | A | 1 | | | | | | | | |
| 38 | B | 1 | | | | | | | | |
| 39 | B | 1 | | | | | | | | |
| 40 | C | 1 | | | | | | | | |
| 41 | TRUE | 1 | | | | | | | | |
| 42 | B | 1 | | | | | | | | |
| 43 | B | 1 | | | | | | | | |
| 44 | A | 1 | | | | | | | | |
| 45 | B | 1 | | | | | | | | |
| 46 | FALSE | 1 | | | | | | | | |
| 47 | C/D | 1 | | | | | | | | |
| 48 | <table border="1"> <thead> <tr> <th data-bbox="309 1137 779 1174">Consumer storage</th> <th data-bbox="779 1137 1245 1174">Corporate storage</th> </tr> </thead> <tbody> <tr> <td data-bbox="309 1174 779 1211">B</td> <td data-bbox="779 1174 1245 1211">A</td> </tr> <tr> <td data-bbox="309 1211 779 1248">C</td> <td data-bbox="779 1211 1245 1248">D</td> </tr> <tr> <td data-bbox="309 1248 779 1284">D</td> <td data-bbox="779 1248 1245 1284">E</td> </tr> </tbody> </table> | Consumer storage | Corporate storage | B | A | C | D | D | E | 1 |
| Consumer storage | Corporate storage | | | | | | | | | |
| B | A | | | | | | | | | |
| C | D | | | | | | | | | |
| D | E | | | | | | | | | |
| 49 | A | 1 | | | | | | | | |
| 50 | D | 1 | | | | | | | | |

| Question | Answer | Marks | | | | | | | | |
|----------|--|---------|---------|---|---|---|---|---|---|---|
| 51 | D | 1 | | | | | | | | |
| 52 | B/C/E | 1 | | | | | | | | |
| 53 | C | 1 | | | | | | | | |
| 54 | D | 1 | | | | | | | | |
| 55 | B | 1 | | | | | | | | |
| 56 | A | 1 | | | | | | | | |
| 57 | <table border="1" data-bbox="309 624 1245 794"> <thead> <tr> <th data-bbox="309 624 779 659">Network</th> <th data-bbox="779 624 1245 659">Storage</th> </tr> </thead> <tbody> <tr> <td data-bbox="309 659 779 694">A</td> <td data-bbox="779 659 1245 694">A</td> </tr> <tr> <td data-bbox="309 694 779 729">C</td> <td data-bbox="779 694 1245 729">B</td> </tr> <tr> <td data-bbox="309 729 779 794">E</td> <td data-bbox="779 729 1245 794">D</td> </tr> </tbody> </table> | Network | Storage | A | A | C | B | E | D | 1 |
| Network | Storage | | | | | | | | | |
| A | A | | | | | | | | | |
| C | B | | | | | | | | | |
| E | D | | | | | | | | | |
| 58 | D | 1 | | | | | | | | |
| 59 | A | 1 | | | | | | | | |
| 60 | B | 1 | | | | | | | | |
| 61 | C | 1 | | | | | | | | |
| 62 | A | 1 | | | | | | | | |
| 63 | B | 1 | | | | | | | | |
| 64 | C | 1 | | | | | | | | |
| 65 | C | 1 | | | | | | | | |
| 66 | C | 1 | | | | | | | | |

| Question | Answer | Marks |
|----------|--------|-------|
| 67 | A | 1 |
| 68 | D | 1 |
| 69 | C | 1 |
| 70 | D | 1 |

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