

BCS Level 4 Award in Operating Systems
Answer Key and Rationale – QAN 603/2894/0

| Question | Answer | Explanation / Rationale | Syllabus Sections |
|----------|--------|---|-------------------|
| 1 | A | Network Access Protocol allows administrators to disallow device access to the network if the device doesn't meet specific criteria such as update level, AV protection or a number of other conditions. | 3.1 |
| 2 | B | To disable a Windows service from the command line, the command <code>sc config</code> has to be used. It is also deliberate that there is no space between the '=' and 'start'. There must be a space between the '=' and 'disable'. | 1.3 |
| 3 | B | Active Directory group policies can be configured to force the download and installation of updates for Windows machines. | 4.2 |
| 4 | A | On all Apple IOS, this is the first step to entering the firewall configuration wizard. | 1.1 |
| 5 | A | DSAdd is a command line tool that allows an admin to add users, groups, computers and other objects to AD. | 2.2 |
| 6 | C | Inbound rules stipulate which ports are open on the local computer to allow access from external machines. | 1.1 |
| 7 | D | If a folder has had specific permissions set disallowing all but certain groups, any unauthorised user will be denied access. | 2.3 |
| 8 | B | Windows Server Update Services is what WSUS stands for and it is used with Windows. | 4.1 |
| 9 | C | If a mail client (such as Lotus Notes) has port 1352 blocked outbound, it will not be able to connect to the mail server. | 1.2 |
| 10 | B | Firewalls can be configured to deny and allow port access from untrusted and trusted sources / destinations. | 4.2 |
| 11 | C | Active Directory allows administrators to create security policies that can be deployed to users and computers. Active Directory is a technology whereas SCCM, Sites and Services and Policy editor are tools. | 2.1 |
| 12 | D | ADUC is Active Directory Users and Computers and is used to manage users and groups. | 2.2 |
| 13 | A | Software firewalls can prevent specific applications from accessing network ports, hardware firewalls are generally not able to do this. | 1.4 |
| 14 | B | All operating systems allow the creation of (file) shares to facilitate and control user access to files and folders. | 3.2 |
| 15 | B | FileVault will encrypt the startup disk of an Apple computer with a 256 bit key. | 3.1 |
| 16 | A | Firewalls protect computers and networks from unauthorised network access. | 3.2 |
| 17 | A | For OSX, <code>sudo launchctl</code> is the correct method to unload the service from the service start list. | 1.3 |

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| 18 | C | Malware, such as keylogging software or other such data grabbing software, would utilise a specific open port or ports to send data to the command and control node. | 1.2 |
| 19 | D | Regedit.exe is the only valid answer. Reg.exe allows registry functions, but not a full management console. | 2.1 |
| 20 | B | Unused services or daemons can sometimes be listening on specific ports. If the service or daemon has a vulnerability, it gives hackers a potential attack vector to access the PC. | 1.4 |