

BCS Level 4 Award in Operating Systems QAN 603/2894/0

Specimen Paper A

Record your surname / last / family name and initials on the answer sheet.

Specimen paper only 20 multiple-choice questions – 1 mark awarded to each question. Mark only one answer to each question. There are no trick questions.

A number of possible answers are given for each question, indicated by either **A. B. C. or D.** Your answers should be clearly indicated on the answer sheet.

Pass mark is 13/20.

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This qualification is regulated by Ofqual (in England).

- 1 Which Windows based technology allows administrators to centrally control which devices can access the network, based on update levels and antivirus protection?
- A NAP.
 - B VLAN.
 - C VPN.
 - D SAP.
- 2 Which command **SHOULD** be entered to disable a Windows service called mailserv?
- A `sudo systemctl disable mailserv`
 - B `sc config "mailserv" start= disabled`
 - C `service disable mailserv`
 - D `net service mailserv disable`
- 3 In a Windows domain environment, what is the **MOST LIKELY** method for enforcing operating system updates across the estate?
- A Regular email reminders.
 - B Group Policy.
 - C Staff meetings.
 - D Management pressure.
- 4 In Apple IOS, where are the firewall configuration settings found?
- A System Preferences > Security.
 - B System > Firewall Settings.
 - C Finder > Security.
 - D Security Settings > Firewall.
- 5 Which command can be used to create a domain user or group?
- A `Dsadd`.
 - B `Net add user`.
 - C `Usradd`.
 - D `Dscreate`.

- 6 Which of the following **SHOULD** be selected to view which ports are open and accessible by external entities?
- A Outbound rules.
 - B Firewall in.
 - C Inbound rules.
 - D Firewall out.
- 7 A user can access various folders on the network, but when they click to open a folder called 'Finance' they receive an 'access denied' message. What is the **MOST LIKELY** reason for this?
- A The users entered the wrong password.
 - B The user has lost network connectivity.
 - C The network folder has become corrupt.
 - D The user is not in the appropriate group.
- 8 Which operating system environment utilises the WSUS software?
- A IOS.
 - B Windows.
 - C Solaris.
 - D Linux.
- 9 A user has installed a mail client on their workstation, but the mail client cannot connect to the mail server. Users of this client in a different office can access the mail server. What is the **MOST LIKELY** explanation?
- A The mail client uses a port that has blocked inbound on the firewall.
 - B The mail server is disconnected from the network.
 - C The mail client uses a port that has blocked outbound on the firewall.
 - D The client computer is disconnected from the network.

- 10 A hacker has gained knowledge of the mail system variant used by an organisation. On attempting to remotely connect to the mail system the connection is blocked. What is the **MOST LIKELY** explanation?
- A Anti-malware software is blocking access.
 - B A firewall is blocking access.
 - C The mail system is down.
 - D The hacker's internet connection is down.
- 11 Which of the following technologies enables administrators to control security from a centralised location?
- A SCCM.
 - B Sites and services.
 - C Active Directory.
 - D Policy editor.
- 12 Which tool is used to manage users and groups in Active Directory?
- A GPMC.
 - B Gpedit.msc
 - C UsrMgr.exe
 - D ADUC.
- 13 What is a benefit of installing an OS based firewall?
- A Provides more control over application access.
 - B Enables faster network access.
 - C Provides better performance than a hardware firewall.
 - D Provides a more comprehensive feature set over hardware firewalls.
- 14 Which file and folder-based technology is used to facilitate user access to resources on a network?
- A Explorer.
 - B Shares.
 - C NTFS.
 - D ResMan.

- 15 Which native OSX utility is used for disk encryption?
- A BitLocker.
 - B FileVault.
 - C BeCrypt.
 - D BitEncrypt.
- 16 Which of the following security tools can help protect a computer from unauthorised network access?
- A Firewall.
 - B NTFS permissions.
 - C Encryption.
 - D Layer 2 switch.
- 17 In OSX, which command **SHOULD** be entered to disable a service called mailserver?
- A `sudo launchctl unload -w /Library/LaunchDaemons/mailserver.plist`
 - B `net service disable mailserver`
 - C `sudo update-rc.d mailserver disable`
 - D `service disable mailserver`
- 18 Which of the following would be **MOST LIKELY** to exploit a lack of outbound firewall rules?
- A A computer game.
 - B A hacker attempting to access a computer over the internet.
 - C Locally installed malware.
 - D Somebody who has physical access to a user's PC.
- 19 Which of the following will start up the registry management console in Windows?
- A Regedit.msc
 - B Reg.exe
 - C Reg.msc
 - D Regedit.exe

- 20** Which of the following is the **BEST** reason for disabling unused services / daemons?
- A** Reduces the amount of memory being used.
 - B** Reduces the attack footprint of the PC.
 - C** Improves PC performance.
 - D** Enables quicker startup and shutdown.

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