

**9628-11 Level 3 Award in Coding and Logic (for the Level 3
Infrastructure Technician Apprenticeship)**
9628-311 Coding and Logic

Sample question paper

Duration: 30 minutes

Candidate's name:

Candidate's enrolment number:

Centre name:

Centre number:

Date:

- 1 Which one of the following is the correct scripting when using the file extension .sh?
 - a. A Windows batch file.
 - b. A Windows PowerShell file.
 - c. A Linux shell script file.
 - d. A Linux batch script file.
- 2 Which one of the following file extensions indicates a PowerShell script?
 - a. PS1
 - b. PSD
 - c. PSS
 - d. PSH
- 3 Which one of the following **best** describes the use of a shell script in Linux server administration?
 - a. It manages the allocation of memory resources.
 - b. It manages routine tasks and file management.
 - c. It manages the processor job queue and prioritisation.
 - d. It manages the allocation of remote syslog messages.
- 4 Which one of the following **best** describes the use of a PowerShell script in Windows server administration?
 - a. It is used for local task management.
 - b. It is used for remote terminal access.
 - c. It is used for running a syslog.
 - d. It is used for authenticating encryption.
- 5 Which one of the following describes the typical use of a batch script in server administration?
 - a. It is used for remote terminal access.
 - b. It is used for running a syslog.
 - c. It is used for authenticating encryption.
 - d. It is used for file duplication.
- 6 Which one of the following **best** describes the function of a batch file?
 - a. For the completion of routine tasks.
 - b. For remote system administration.
 - c. For the logging of system messages.
 - d. For memory process management.
- 7 Which one of the following is a benefit of coding in a low level language such as Assembler?
 - a. It has backwards hardware compatibility.
 - b. It can be re-used on different technologies.
 - c. It can be easily encrypted by hardware.
 - d. It fits with a specific hardware architecture.
- 8 Which term is specifically associated with code re-use within an object oriented programming language?
 - a. Polymorphism.
 - b. Inheritance.
 - c. Classification.
 - d. Overloading.
- 9 What is the **main** purpose of establishing requirements during the 'application development' phase of application lifecycle management?
 - a. To establish project costs and projected expenditure.
 - b. To establish customer expectations and project scope.
 - c. To establish a specific project development baseline.
 - d. To establish a methodology for the design process.

- 10 Which one of the following correctly describes the purpose of the 'service management' phase of application lifecycle management?
- Developing additional application features post project.
 - Designing v2 of the software after customer feedback.
 - Designating a specialist patch management service.
 - Deploying the software into the customers' environment.
- 11 Why is branching used in coding?
- To make a decision.
 - To repeat a task.
 - To complete a loop.
 - To return a value.
- 12 Which one of the following is an example of an algorithm?
- To patch operating systems.
 - To run batch files.
 - To 'ping' remote networks.
 - To sort data alphabetically.
- 13 Which data structure is required to store numbers from 1 down to 0.0000001?
- Numerical Object.
 - Positive Integer.
 - Floating Point.
 - Complex Array.
- 14 Which data structure is used to store a large sequence of values?
- Array.
 - Integer.
 - Character.
 - Float.
- 15 Which one of the following describes the **main** benefit of using a local web server for web development?
- It ensures less distance between database and site.
 - It offers a faster local connection for large uploads.
 - It ensures a higher level of site development security.
 - It offers a safe sandbox development environment.
- 16 What is the **main** advantage of coding webpages using text files?
- The Unicode standard is more current than ASCII.
 - It reduces the potential for typographical errors.
 - A reduced file size allows efficient downloads.
 - Availability of open standards based editors.
- 17 What is CSS used for?
- Maintaining common formats across multiple web pages within a site.
 - Controlling the HTML and XML standards used with a set domain.
 - Converting pages created in different HTML formats to HTML5.
 - Supporting different image formats for web browser optimisation.
- 18 Why is JavaScript typically used?
- To ensure that HTML5 is backward compatible.
 - To provide a more secure connection using SSL.
 - To offer server side control of the local webpage.
 - To add client side coding to a markup language.

- 19 Why is a website certificate used?
- To prove that the website security is legitimate.
 - To prove that the domain is registered with Nominet.
 - To prove that the company owning the site is legal.
 - To prove that the IPv6 address has no conflicts.
- 20 Which one of the following is created to enable Secure Sockets Layer (SSL)?
- A certificate.
 - A DNS entry.
 - A bitlocker.
 - A cryptopass.

NOW GO BACK AND CHECK YOUR WORK

- **IMPORTANT -**
Are the details at the top of the answer sheet correct?

