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**Pearson
BTEC Level 3
Certificate**

Centre Number

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**Sample assessment material for first assessment
March 2019**

Time: 35 minutes

Paper Reference **XXXXX/XX**

Coding and Logic

You do not need any other materials.

Total Marks

THE LIVE VERSION OF THIS PAPER WILL CONTAIN A TOTAL OF 30 QUESTIONS

THE SAMPLE ASSESSMENT MATERIALS WILL CONTAIN A TOTAL OF 10 QUESTIONS

Turn over ►

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Pearson

Answer ALL questions.

Some questions must be answered with a cross in a box ☒. If you change your mind about an answer, put a line through the box ☒ and then mark your new answer with a cross ☒.

1 Which of these is a common use of algorithms?

(1)

Select **one** option.

- A** Cataloguing
- B** Defining
- C** Parsing
- D** Searching

2 Which of these data structures allows you to store multiple values as an ordered series of data elements?

(1)

Select **one** option.

- A** Object
- B** Stack
- C** Array
- D** Variable

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3 A product is entering the debug phase of an application management lifecycle.

(1)

What activity should be taking place during this phase?

Select **one** option.

- A Rolling out the optimised solution to users
- B Identifying key requirements of the application
- C Designing the interface to meet user needs
- D Testing the robustness of the application

4 Why is command line scripting used?

(1)

Select **one** option.

- A Increased automation
- B Less disk space used
- C Speeds up machine
- D Less memory used

5 An infrastructure technician has been asked to create a secure network folder that is only accessible to the marketing team.

Why should they use command line scripting to do this?

(1)

Select **one** option.

- A To partition the hard disks on users laptops
- B To run diagnostics on the network
- C To create a new database query
- D To change permissions for user groups

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6 Which Bash command should be used to search multiple files for a specific text string?

(1)

Select **one** option.

- A grab
- B search
- C grep
- D find

7 What command is used to move myfile.txt from the temporary folder in Bash script?

(1)

Select **one** option.

- A mv /tmp/myfile.txt /home/documents/
- B cp myfile.txt /home/documents/
- C mv /tmp/myfile.txt /docs/myfile.txt
- D cp myfile.txt /tmp/myfile2.txt

8 What is the main purpose of cookies?

(1)

Select **one** option.

- A To encrypt personal data
- B To define server names
- C To populate webforms
- D To remember sites visited

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9 A company has changed its branding. It is updating the website to reflect the new colour scheme and fonts.

How should these changes be implemented?

(1)

Select **one** option.

- A Using CSS
- B Using Javascript
- C Using XML
- D Using PHP

10 What is the purpose of the HTTP protocol?

(1)

Select **one** option.

- A Access emails
- B Print documents
- C Transfer webpages
- D Generate IP Addresses

**TOTAL FOR QUESTION PAPER = 1
10 MARKS**



Coding and Logic marking scheme

Question Number	Answer	Mark
1	D Searching	(1)

Question Number	Answer	Mark
2	C Array	(1)

Question Number	Answer	Mark
3	D Testing the robustness of the application	(1)

Question Number	Answer	Mark
4	A Increased automation	(1)

Question Number	Answer	Mark
5	D To change permissions for user groups	(1)

Question Number	Answer	Mark
6	C grep	(1)

Question Number	Answer	Mark
7	C mv /tmp/myfile.txt /docs/myfile.txt	(1)

Question Number	Answer	Mark
8	D To remember sites visited	(1)

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Question Number	Answer	Mark
9	A Using CSS	(1)

Question Number	Answer	Mark
10	C Transfer webpages	(1)

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