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YEAR 12 *Trial Exam Paper*

2019

COMPUTING: SOFTWARE DEVELOPMENT

Written examination

Sample responses

This book presents:

- high-level sample responses
- mark allocations
- tips.

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SECTION A – Multiple-choice questions

Question 1

Answer: A

Explanatory notes

In a Gantt chart, the critical path of a project is a sequence of activities that add up to the total longest duration of the project. A dependency is a task that must end before another task can begin. A milestone is a zero-duration task that indicates an important date in the project plan.

Question 2

Answer: D

Explanatory notes

Sending a confirmation email when a ticket is purchased is part of the functionality of the system. All other options are non-functional requirements that relate to how well the system runs, such as consistency of user interface navigation, its reliability and its accessibility.

Question 3

Answer: D

Explanatory notes

By moving the inactive client data to an external drive, Eden is performing data archiving. A backup would copy the data, and disposal would destroy the data. While data security may be a concern in relation to copying files to an external drive, it is not what Eden is performing.

Tip

- *Differentiating between backing up, archiving and disposal is a common exam question and you should therefore understand the differences between these elements.*

Question 4

Answer: B

Explanatory notes

Loops and iterations check through a set of data (generally stored in an array), which is not what is occurring in this instance. An instruction is a single line of code, but there are multiple steps in the code that Henry has written. Henry is checking to see if a condition is met – that is, if a date and time has already been stored as 'booked' in the system.

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