CPSA-FL Q&As

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QUESTION 1

What do you have to take into account when designing external interfaces? (Choose three.)

A. Volatility of neighbouring systems

B. Adequate usage of the broker pattern

C. Protocols enforced by neighbouring systems

D. Expected amount of parallel calls

E. Ease of implementation

F. Effect on the coupling in the building block view

Correct Answer: CEF

QUESTION 2

Which of the following principles apply to testing? (Choose two.)

A. In general, exhaustive testing is not possible.

B. Where many errors exist, more errors are usually hidden.

C. Sufficient testing will show that a program is free of errors.

D. Error-free test runs also mean: the software is usable.

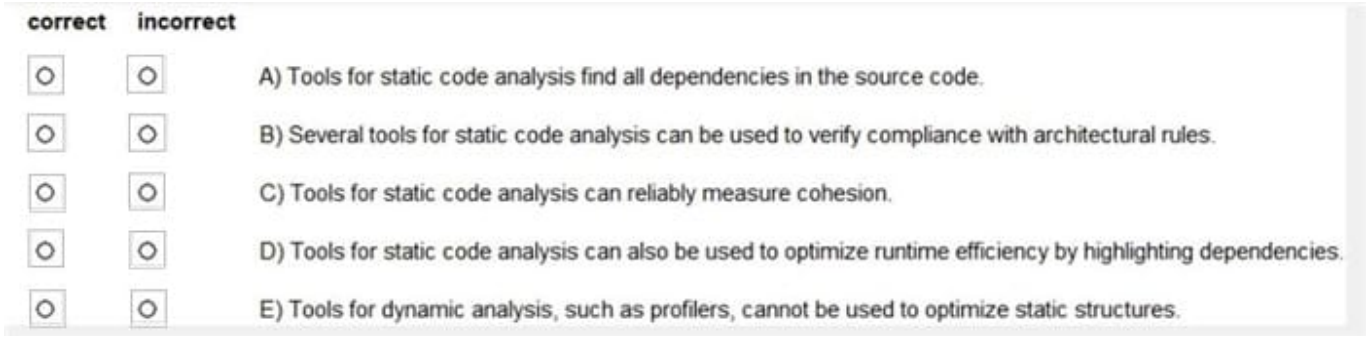
Correct Answer: AC

QUESTION 3

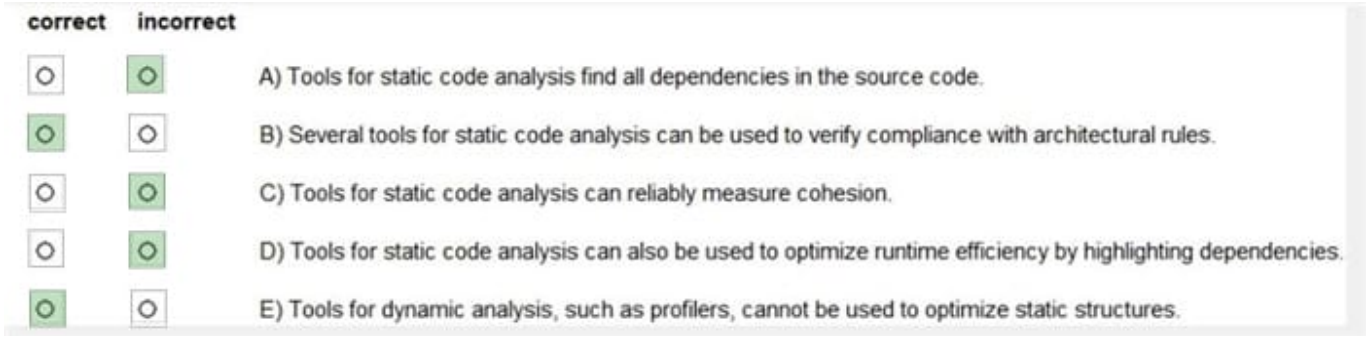
HOTSPOT

You are the software architect on a large development project and are entrusted with the task of building a tool chain for continuous architecture evaluation and analysis. Which of the following statements regarding this tool selection are correct/incorrect? (Assign all answers.)

Hot Area:



Correct Answer:

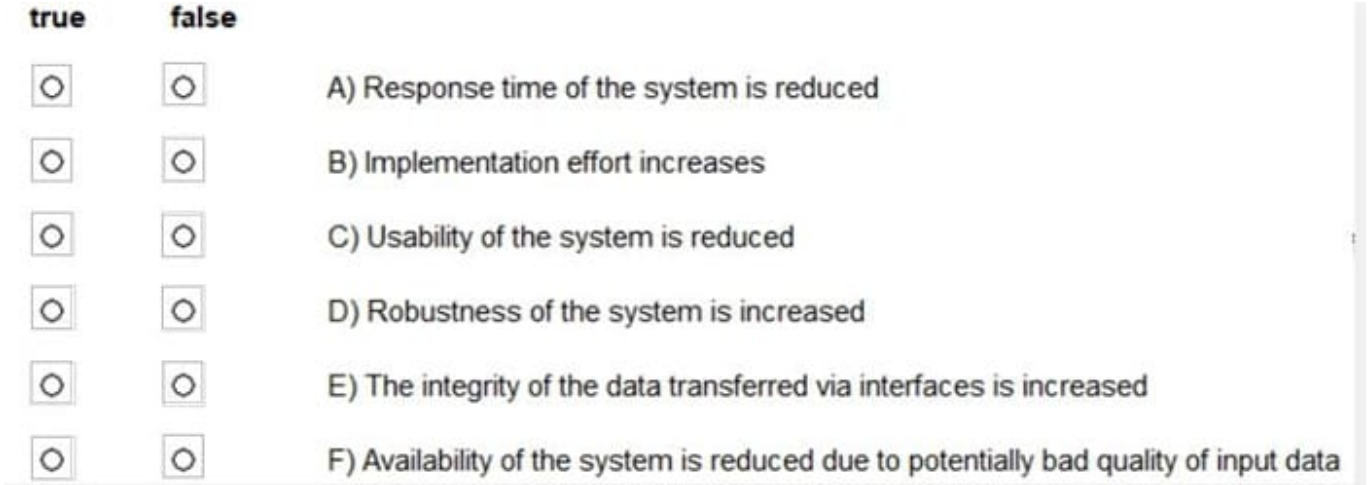


QUESTION 4

HOTSPOT

Concerning external interfaces, Postel\\'s law suggests: "Be conservative in what you do, be liberal in what you accept from others." Assume that Postel\\'s law has been consistently applied in your system. (Assign all answers.)

Hot Area:



Correct Answer:

true	false	
○	○	A) Response time of the system is reduced
○	○	B) Implementation effort increases
○	○	C) Usability of the system is reduced
○	○	D) Robustness of the system is increased
○	○	E) The integrity of the data transferred via interfaces is increased
○	○	F) Availability of the system is reduced due to potentially bad quality of input data

QUESTION 5

HOTSPOT

Which statements regarding top-down and bottom-up design are true? (Assign all answers.)

Hot Area:

true	false	
○	○	A) Top-down and bottom-up design may be employed in the same project.
○	○	B) Top-down requires that details be ignored initially.
○	○	C) Architects leave the bottom-up design to developers.
○	○	D) Generally, architects should work top-down.
○	○	E) Bottom-up design means to proceed from the abstract to the concrete.
○	○	F) Different ideas about top-down and bottom-up approaches constitute a potential for conflict.

Correct Answer:

true	false	
○	●	A) Top-down and bottom-up design may be employed in the same project.
○	●	B) Top-down requires that details be ignored initially.
●	○	C) Architects leave the bottom-up design to developers.
●	○	D) Generally, architects should work top-down.
○	●	E) Bottom-up design means to proceed from the abstract to the concrete.
○	●	F) Different ideas about top-down and bottom-up approaches constitute a potential for conflict.