CPSA-FL Q&As

ISAQB Certified Professional for Software Architecture - Foundation Level (CPSA-FL)

Pass ISQI CPSA-FL Exam with 100% Guarantee

Free Download Real Questions & Answers **PDF** and **VCE** file from:

https://www.certbus.com/cpsa-fl.html

100% Passing Guarantee
100% Money Back Assurance

Following Questions and Answers are all new published by ISQI Official Exam Center

QUESTION 1

What are the four key terms in common definitions of software architecture? (Choose four.)

A. Source code

B. Building Blocks

C. Functionality

D. Relationships

E. Components

F. Requirements

G. Interfaces

Correct Answer: BDEF

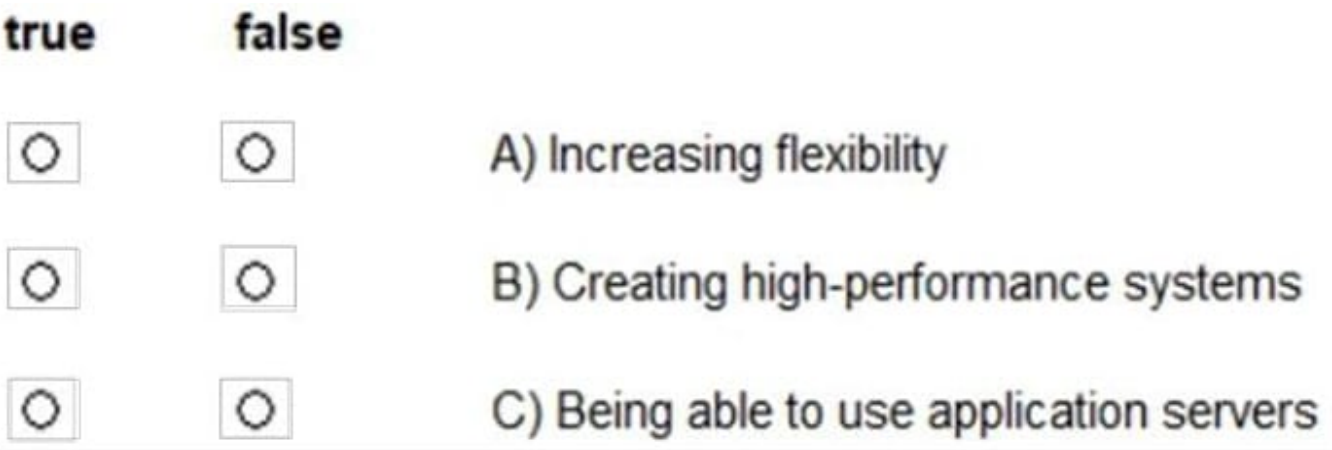
Reference: http://www.michael-richardson.com/processes/rup_for_sqa/core.base_rup/guidances/concepts/software_architecture_4269A354.html

QUESTION 2

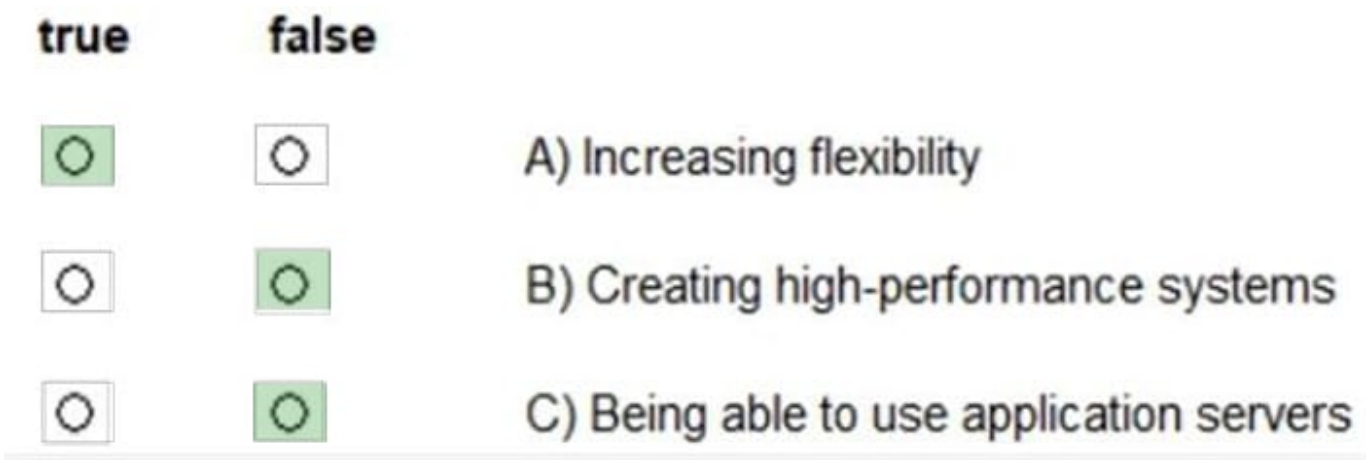
HOTSPOT

What is the main benefit of the layered architectural pattern? (Assign all answers.)

Hot Area:



Correct Answer:

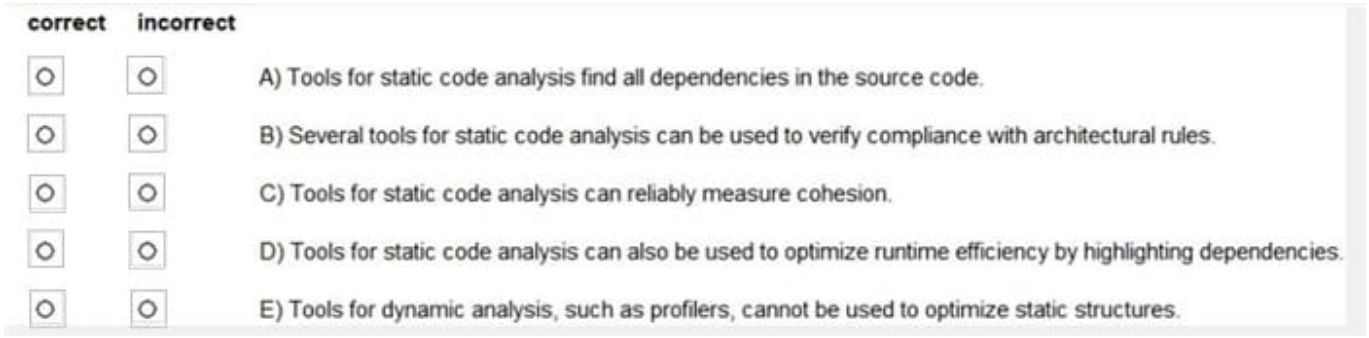


QUESTION 3

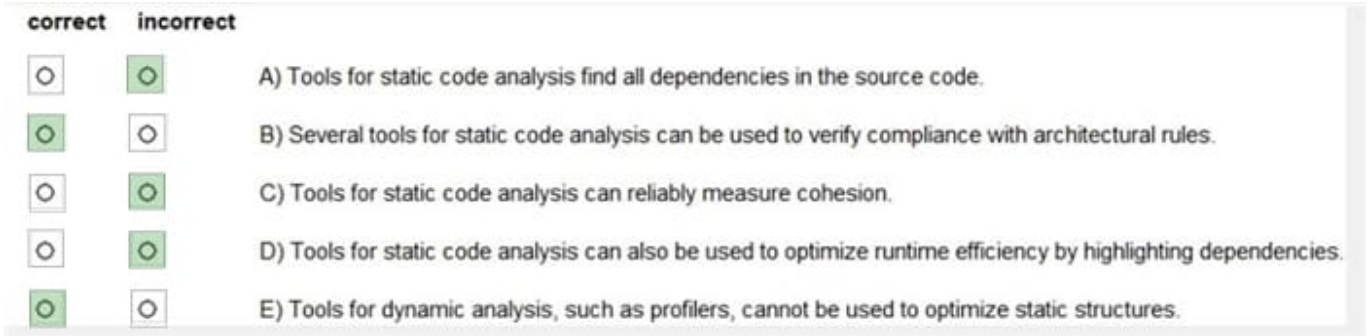
HOTSPOT

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:

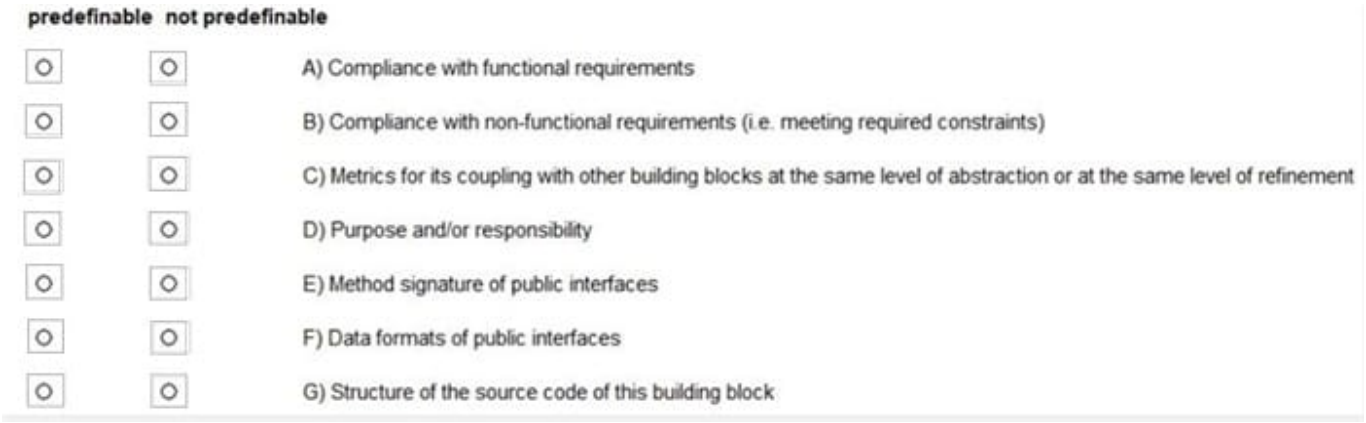


QUESTION 4

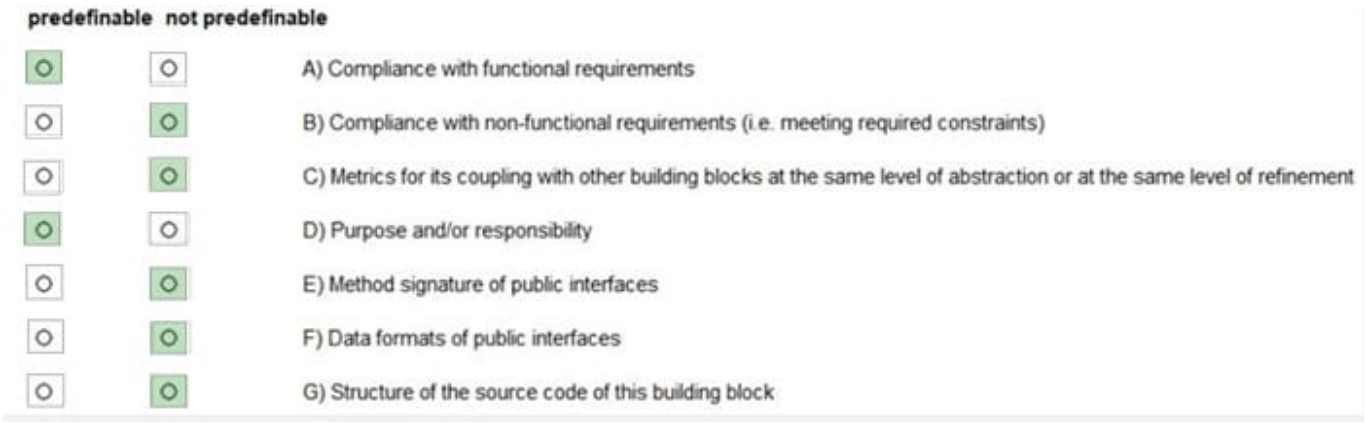
HOTSPOT

Which characteristics of a black-box building block are you able to specify as an architect? (Assign all answers.)

Hot Area:



Correct Answer:



QUESTION 5

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 6

HOTSPOT

Which characteristics of a building block are only visible in the whitebox view, and for which characteristics does the blackbox view suffice? (Assign all answers.)

Hot Area:

Blackbox	Whitebox	
○	○	A) Public interfaces of the building block
○	○	B) Test coverage based on unit tests for sub building blocks contained in the building block
○	○	C) Test coverage based on integration tests
○	○	D) Code structure of the building block
○	○	E) Algorithms used in the building block
○	○	F) Security requirements of the building blocks
○	○	G) Implementation details for the security requirements of the building blocks

Correct Answer:

Blackbox	Whitebox	
○	○	A) Public interfaces of the building block
○	○	B) Test coverage based on unit tests for sub building blocks contained in the building block
○	○	C) Test coverage based on integration tests
○	○	D) Code structure of the building block
○	○	E) Algorithms used in the building block
○	○	F) Security requirements of the building blocks
○	○	G) Implementation details for the security requirements of the building blocks

QUESTION 7

HOTSPOT

How are written documentation and verbal communication of software architectures related? Please mark the following statements as true or false. (Assign all answers.)

Hot Area:

true	false	
○	○	A) Agile approaches make written documentation unnecessary. In such cases, verbal communication can substitute for documentation.
○	○	B) Written documentation makes verbal reiteration unnecessary.
○	○	C) Despite written documentation, verbal communication of architectural interrelationships is important.
○	○	D) Documentation and communication should use identical terms and rationale.
○	○	E) Documentation should be created primarily for project participants who either cannot or do not want to read the system's source code.
○	○	F) Communication and documentation complement each other: verbal communication helps architects determine what must be recorded in writing.

Correct Answer:

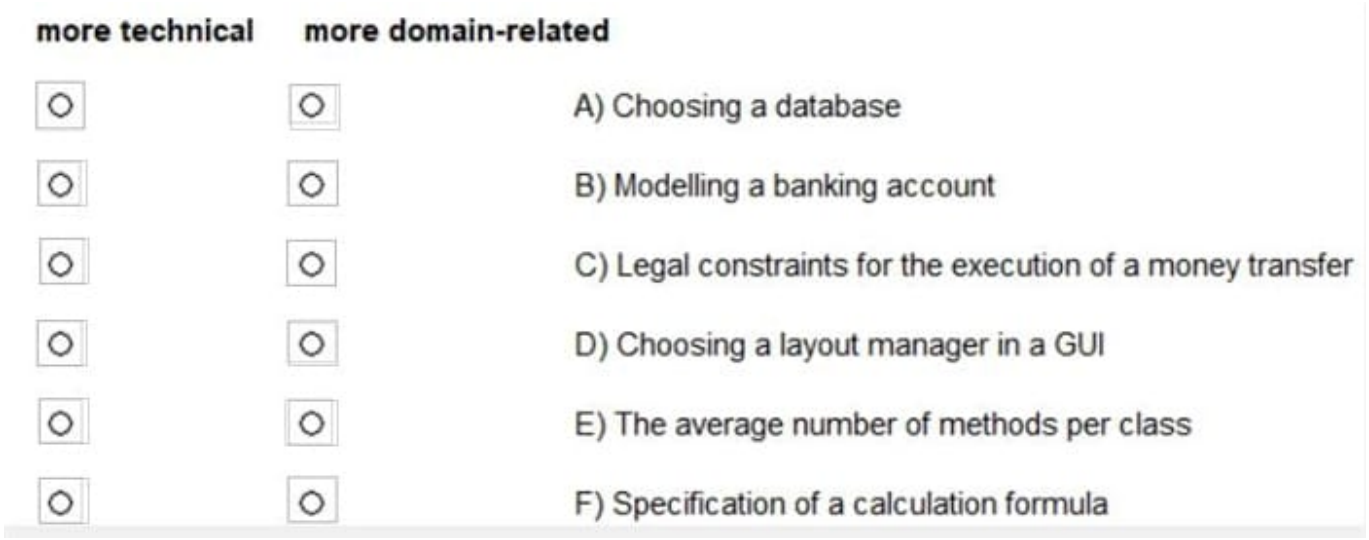
true	false	
○	○	A) Agile approaches make written documentation unnecessary. In such cases, verbal communication can substitute for documentation.
○	○	B) Written documentation makes verbal reiteration unnecessary.
○	○	C) Despite written documentation, verbal communication of architectural interrelationships is important.
○	○	D) Documentation and communication should use identical terms and rationale.
○	○	E) Documentation should be created primarily for project participants who either cannot or do not want to read the system's source code.
○	○	F) Communication and documentation complement each other: verbal communication helps architects determine what must be recorded in writing.

QUESTION 8

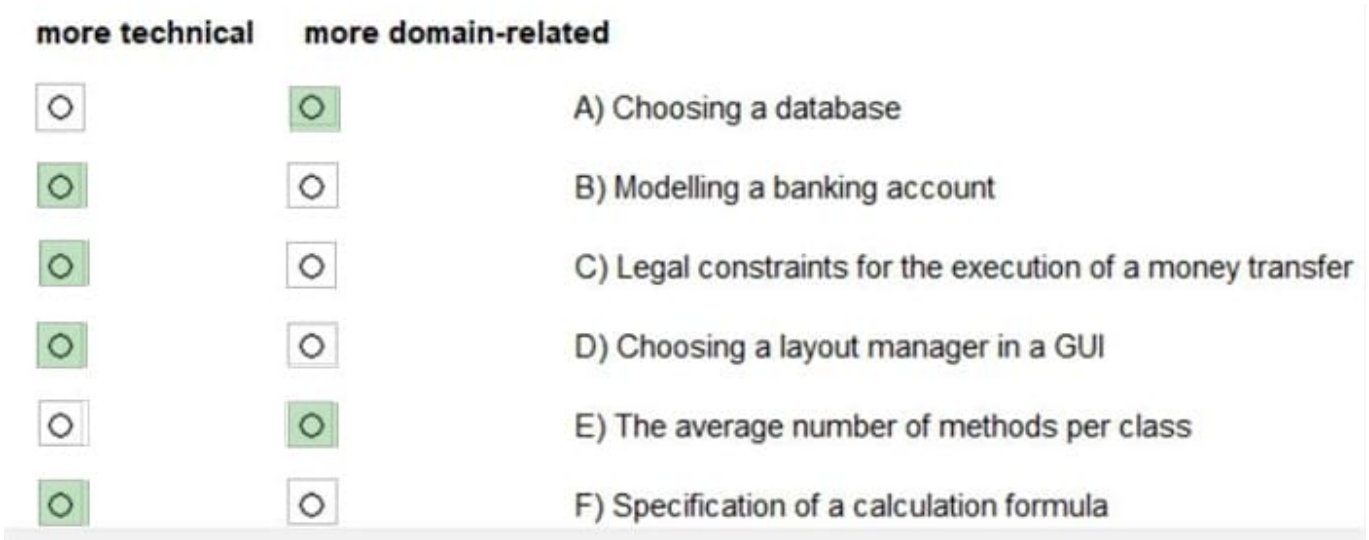
HOTSPOT

Which of the following aspects are more of a domain-related nature, and which more of technical nature? (Assign all answers.)

Hot Area:



Correct Answer:



QUESTION 9

Which of the following statements are correct? (Choose two.)

A. The push operation usually places a new element onto a stack.

B. A stack acts exactly like a queue.

C. A stack is organized according to the FIFO principle.

D. A stack usually only provides access to one element at a time.

Correct Answer: AD

QUESTION 10

You want to demonstrate to colleagues that certain building blocks are suitable for the implementation of a use-case scenario. Which of the following UML diagrams is best suited for this?

A. Use-case diagram

B. Sequence diagram

C. Activity diagram

D. Class diagram

Correct Answer: A

Reference: https://www.lucidchart.com/pages/uml-use-case-diagram