



Up-to-date Questions and Answers from authentic resources to improve knowledge and pass the exam at very first attempt. ----- Guaranteed.



CPSA-F MCQs
CPSA-F TestPrep
CPSA-F Study Guide
CPSA-F Practice Test
CPSA-F Exam Questions



killexams.com

iSAQB

CPSA-F

Certified Professional for Software Architecture Foundation Level

ORDER FULL VERSION

<https://killexams.com/pass4sure/exam-detail/CPSA-F>



QUESTION 33

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 | incorrect | |
|-----------------------|-----------------------|---|
| <input type="radio"/> | <input type="radio"/> | A) Tools for static code analysis find all dependencies in the source code. |
| <input type="radio"/> | <input type="radio"/> | B) Several tools for static code analysis can be used to verify compliance with architectural rules. |
| <input type="radio"/> | <input type="radio"/> | C) Tools for static code analysis can reliably measure cohesion. |
| <input type="radio"/> | <input type="radio"/> | D) Tools for static code analysis can also be used to optimize runtime efficiency by highlighting dependencies. |
| <input type="radio"/> | <input type="radio"/> | E) Tools for dynamic analysis, such as profilers, cannot be used to optimize static structures. |

Correct Answer:

- | correct | incorrect | |
|----------------------------------|----------------------------------|---|
| <input type="radio"/> | <input checked="" type="radio"/> | A) Tools for static code analysis find all dependencies in the source code. |
| <input checked="" type="radio"/> | <input type="radio"/> | B) Several tools for static code analysis can be used to verify compliance with architectural rules. |
| <input type="radio"/> | <input checked="" type="radio"/> | C) Tools for static code analysis can reliably measure cohesion. |
| <input type="radio"/> | <input checked="" type="radio"/> | D) Tools for static code analysis can also be used to optimize runtime efficiency by highlighting dependencies. |
| <input checked="" type="radio"/> | <input type="radio"/> | E) Tools for dynamic analysis, such as profilers, cannot be used to optimize static structures. |

QUESTION 34

HOTSPOT

Which information is presented in the building-block view? Rate the alternatives below as either true or false. (Assign all answers.)

Hot Area:

Correct Answer:

QUESTION 35

HOTSPOT

In your project, three architects and seven developers are working on the documentation of the software architecture. Which methods are appropriate in order to achieve a consistent and adequate documentation, and which are not? (Assign all answers.) **Hot**

Area:

| appropriate | not appropriate | |
|-----------------------|-----------------------|--|
| <input type="radio"/> | <input type="radio"/> | A) The chief architect creates the documentation. |
| <input type="radio"/> | <input type="radio"/> | B) Identical templates are used for the documentation. |
| <input type="radio"/> | <input type="radio"/> | C) All parts of the architecture documentation are automatically extracted from the source code. |

Correct Answer:

| appropriate | not appropriate | |
|----------------------------------|----------------------------------|--|
| <input checked="" type="radio"/> | <input type="radio"/> | A) The chief architect creates the documentation. |
| <input type="radio"/> | <input checked="" type="radio"/> | B) Identical templates are used for the documentation. |
| <input type="radio"/> | <input checked="" type="radio"/> | C) All parts of the architecture documentation are automatically extracted from the source code. |

QUESTION 36 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 37

HOTSPOT

Which of the following statements about the coupling between building blocks are correct? (Assign all answers.)

Hot Area:

Correct Answer:

QUESTION 38
HOTSPOT

You are the software architect of a system that has run for many years and been extended repeatedly. An analysis of the source code has revealed a multitude of dependencies between the classes. Which of the following measures are possible solutions? (Assign all answers.)

Hot Area:

- | true | false | |
|-----------------------|-----------------------|---|
| <input type="radio"/> | <input type="radio"/> | A) The dependencies between classes are the responsibility of the developers. No measures are required within the architecture. |
| <input type="radio"/> | <input type="radio"/> | B) Loosening of direct dependencies between classes through the introduction of interfaces |
| <input type="radio"/> | <input type="radio"/> | C) Loosening of direct dependencies between classes through the introduction of factories |

Correct Answer:

- | true | false | |
|----------------------------------|----------------------------------|---|
| <input type="radio"/> | <input checked="" type="radio"/> | A) The dependencies between classes are the responsibility of the developers. No measures are required within the architecture. |
| <input checked="" type="radio"/> | <input type="radio"/> | B) Loosening of direct dependencies between classes through the introduction of interfaces |
| <input type="radio"/> | <input checked="" type="radio"/> | C) Loosening of direct dependencies between classes through the introduction of factories |

QUESTION 39 Select the two most appropriate methods for evaluating the reliability of a software system. (Choose two.)

- A. Determining the number of 'lines of code'
- B. Measurement of 'Mean-Time-between-Failure'
- C. Execution of performance tests
- D. Determination of the cyclomatic complexity
- E. Conducting an ATAM evaluation

Correct Answer: BC

Explanation

QUESTION 40 What are known patterns for the adaptation of interfaces? (Choose two.)

- A. Bridge

- B. Tower
- C. Observer
- D. Façade
- E. Wall

Correct Answer: AC

Reference: <https://www.cs.fsu.edu/~myers/cop3331/notes/patterns2.html>

QUESTION 41 Which of the following statements about (crosscutting) concepts are most appropriate? (Select four.)

- A. The definition of appropriate concepts ensures the conceptual integrity of the architecture.
- B. Concepts are a means to increase consistency.
- C. For each quality goal there should be an explicitly documented concept.
- D. Uniform exception handling is most easily achieved when architects agree with developers upon a suitable concept prior to implementation.
- E. A concept might be implemented by a single building block.
- F. Uniform usage of concepts reduces coupling between building blocks.
- G. A concept can define constraints for the implementation of many building blocks.

Correct Answer: ABDG

QUESTION 42 Choose the most desirable characteristics of interfaces.
(Choose three.)

- A. Easy to extend
- B. Geared towards the capabilities of the provider
- C. Clear descriptions of assertions and prerequisites
- D. As few parameters as possible
- E. Scalable to many consumers
- F. Remotely callable
- G. Hard to misuse

Correct Answer: BCF

QUESTION 43
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:

Section: (none)

Killexams.com is a leading online platform specializing in high-quality certification exam preparation. Offering a robust suite of tools, including MCQs, practice tests, and advanced test engines, Killexams.com empowers candidates to excel in their certification exams. Discover the key features that make Killexams.com the go-to choice for exam success.



Exam Questions:

Killexams.com provides exam questions that are experienced in test centers. These questions are updated regularly to ensure they are up-to-date and relevant to the latest exam syllabus. By studying these questions, candidates can familiarize themselves with the content and format of the real exam.

Exam MCQs:

Killexams.com offers exam MCQs in PDF format. These questions contain a comprehensive collection of questions and answers that cover the exam topics. By using these MCQs, candidate can enhance their knowledge and improve their chances of success in the certification exam.

Practice Test:

Killexams.com provides practice test through their desktop test engine and online test engine. These practice tests simulate the real exam environment and help candidates assess their readiness for the actual exam. The practice test cover a wide range of questions and enable candidates to identify their strengths and weaknesses.

Guaranteed Success:

Killexams.com offers a success guarantee with the exam MCQs. Killexams claim that by using this materials, candidates will pass their exams on the first attempt or they will get refund for the purchase price. This guarantee provides assurance and confidence to individuals preparing for certification exam.

Updated Contents:

Killexams.com regularly updates its question bank of MCQs to ensure that they are current and reflect the latest changes in the exam syllabus. This helps candidates stay up-to-date with the exam content and increases their chances of success.