OMG-OCSMP-MBA400^{Q&As}

OMG-Certified Systems Modeling Professional - Model Builder – Advanced

Pass OMG OMG-OCSMP-MBA400 Exam with 100% Guarantee

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

https://www.pass4itsure.com/omg-ocsmp-mba400.html

100% Passing Guarantee
100% Money Back Assurance

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

QUESTION 1

Choose the correct answer

A design team is applying the MARTE profile to its model to add information about timing and resources

What is a best practice to provide the MARTE information to the engineers who require it?

A. Define a viewpoint and conform views for the engineers

B. Always show the MARTE stereotypes and properties in the diagrams

C. Define a model library that encapsulates the MARTE data for the engineers

D. Create a separate model for the MARTE data and import it into the system model.

Correct Answer: A

A best practice to provide the MARTE information to the engineers who require it is to define a viewpoint and conform views for the engineers. A viewpoint is a specification of a perspective on a model that addresses a set of stakeholder concerns. A view is a representation of a model that conforms to a viewpoint. By defining a viewpoint and conform views for the engineers, the MARTE information can be presented in a way that is relevant and understandable for them.

QUESTION 2

Choose the correct answer

Which data exchange mechanism uses an application programming interface (API) to access data m one tool and make it available in another tool?

A. manual exchange

B. file-based exchange

C. interaction-based exchange

D. repository-based exchange

Correct Answer: C

Interaction-based exchange is a data exchange mechanism that uses an application programming interface (API) to access data in one tool and make it available in another tool. The API allows for direct communication and synchronization between the tools without requiring intermediate files or repositories. This approach can provide better performance and consistency than file-based or repository-based exchange.

QUESTION 3

Choose the correct answer

For a system with stringent real-time requirements and power-consumption constraints, which concern would lead the designer to employ the MARTE profile?

A. ensuring traceability between structure and behavior

B. ensuring traceability between requirements and structure

C. ensuring that the structure could be precisely modeled and that analysis was supported

D. ensuring that the relationship between system response time and power consumption could be captured in a parametric diagram

Correct Answer: A

For a system with stringent real-time requirements and power-consumption constraints, the concern that would lead the designer to employ the MARTE profile is ensuring that the structure could be precisely modeled and that analysis was supported. MARTE provides concepts and annotations for modeling the structure of real-time and embedded systems in terms of components, ports, connectors, flows, etc., as well as for modeling their behavior in terms of state machines, activities, etc. MARTE also provides concepts and annotations for performing analysis of system properties, such as schedulability, performance, power consumption, etc., using various methods and tools.

QUESTION 4

Choose the correct answer.

How should stereotypes be grouped to facilitate re-use in later projects?

A. in profiles

B. in packages

C. in metamodels

D. in sub-models

Correct Answer: A

Stereotypes should be grouped in profiles to facilitate re-use in later projects. A profile is a mechanism for extending UML or SysML with additional modeling elements that are not part of the standard language. A profile defines stereotypes, which are extensions of existing metaclasses. A profile can be applied to a model to make the stereotypes available for use. Bygrouping stereotypes in profiles, they can be easily reused in different models or projects.

QUESTION 5

Choose the correct answer

A small project has chosen a widely-used SysML-based development method, and plans to tailor the method over the life of the project.

What Is(are) the most important consideration(s) for selecting a tool to support the project? \

Choose the option that gives the project the most flexibility

A. ability to interface with other tools that support the method

B. built-in support for the method, including documentation and context-specific help

C. built-m support for the method, mechanisms for user-defined extensions to the tool

D. built-in support for the method: vendor commitment to provide tool tailoring for the project

Correct Answer: C

This is the most important consideration for selecting a tool to support the project because it gives the project the most flexibility. A built-in support for the method means that the tool has features and functions that are aligned with the SysMLbased development method chosen by the project. This can include documentation, context- specific help, templates, wizards, etc. A built-in support for the method can help the project to follow the method more easily and consistently. A mechanism for user-defined extensions to the tool means that the tool allows users to customize or modify the tool according to their needs and preferences. This can include adding new features, changing existing features, creating new views or reports, etc. A mechanism for user-defined extensions to the tool can help the project to tailor the method over the life of the project and adapt to changing requirements or situations.

OMG-OCSMP-MBA400
PDF Dumps

OMG-OCSMP-MBA400
Study Guide

OMG-OCSMP-MBA400
Braindumps