MCQ Test 1: Software Architecture

Total points 16/20 ?

MCQ on Topics 1,2,3

✗ Which one is true with regards to the architecture business cycle? *   0/1

- ⦿ The architecture affects the structure of developing organizations   ✗
- ○ The architecture can affect the enterprise goals of the developing organizations
- ○ All of the Above
- ○ None of the thesetion 1

Correct answer

- ⦿ The architecture can affect the enterprise goals of the developing organizations

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✓ Which among the following are true with regards to the architecture business cycle? *   1/1

- ○ a) The architecture can affect the enterprise goals of the developing organizations
- ⦿ b) The architecture affects the structure of developing organizations   ✓
- ○ c) All of the mentioned
- ○ d) None of the mentioned

✓ Software connector does not have this role *   1/1

- ○ Communication
- ○ Coordination
- ○ Conversion
- ⦿ Cohersion   ✓

✗ Elements of Architecture are * 0/1

- ⦿ Modules ✗
- ○ Structures
- ○ Components and Collectors
- ○ All of the Above.

Correct answer

- ⦿ All of the Above.

✓ What is architectural style? * 1/1

- ○ Architectural style is a description of component types
- ○ It is a pattern of run-time control
- ○ It is set of constraints on architecture
- ⦿ All of the mentioned ✓

✓ Software Architecture defines * 1/1

- ○ Requirements
- ○ Quality Attributes
- ○ Communication
- ⦿ All of Above ✓

✓ **Asynchronous message communication style includes** *   1/1

○ Consistancy

○ event choreography

○ Mediation

◉ All of the above   ✓

✓ **Call and Return architecture has category** *   1/1

◉ Remote Procedure Call Architecture   ✓

○ Tree and Node Architecture

○ Main and Subroutine Architecture

○ Modular Architecture

✕ **Software architecture is a** *   0/1

○ Specification

○ Structure

◉ Design of Modules   ✕

○ Design of Implementation

○ Other:

Correct answer

◉ Structure

✓ In transformation of architecture modular operation is * 2/2

○ Augmenting the system by adding a new module

○ Excluding a module from the system

○ Porting a module to another system

◉ All of the above ✓

✓ The basic architecture design process is composed of step: * 1/1

○ Understand the problem.

○ Identify design elements and their relationships.

○ Transform the architecture design.

◉ All of the above ✓

✓ Is not a runtime quality attributes * 1/1

○ Realiability

○ Scalability

○ Avaiability

◉ Maintainability ✓

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✓ Which is not a role of Software Architect * 1/1

○ Facilitator

○ Information Specialist

○ Protector

◉ Trainer ✓

✓ Modelling type is * 1/1

○ Domain Modelling

○ Specification Modelling

○ Design Modelling

◉ All of the above ✓

✗ In layered Architecture Service Layer must be always present * 0/1

◉ True ✗

○ False

Correct answer

◉ False

✓ Synchronous message communication style includes *   1/1

○ Trade off

○ Balanced Capacity

○ Coupling

◉ All of the above   ✓

✓ How do developing organizations influence by architects? *   1/1

○ a) Immediate business

○ b) Long term business

○ c) Organization structure

◉ d) All of the mentioned   ✓

✓ Quality Scenario is *   1/1

○ Stimulus

○ Artifacts

○ Environment

◉ All of the above   ✓

✓ Connectors in architecture are *   1/1

- ◯ Transporters
- ⦿ Interactions   ✓
- ◯ Paths
- ◯ Protocols

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