QUIZ - 3

Module – 05

Batch ID – JEE/CGNT-M/54/01

Exam Date – 11/07/2023

**Total Marks – 20**

**Student Name: Student ID:**

**1 Which of the following is not a reason for using a model?**

| **A)** | A model is quicker and easier to build than the real thing |
| --- | --- |
| **B)** | We can use a model in simulations to test our ideas |
| **C)** | **We can use a model instead of building the real thing** |

**2 Which of the following is not a model?**

| **A)** | **Concorde B)** A scale model of Concorde to use in a wind tunnel |
| --- | --- |
| **C)** | An engineer’s drawing of a cross-section through the fuselage of Concorde |
|  |  |

**3 Analysts and designers use models that consist of which of the following?**

| **A)** | **Diagrams and text B)** Only diagrams **C)** Only text |
| --- | --- |

**4 Which of the following do analysts and designers use diagrams for?**

| **A)** | To communicate ideas **B)** To understand structures and relationships **C) Both 1 and 2** |
| --- | --- |

**5 Which of the following do analysts and designers use diagrams for?**

| **A)** | To ensure that users don’t understand the specification for a system |
| --- | --- |
| **B)** | **To communicate ideas to users and other analysts and designers C)** Neither A nor B |

6 Why are systems analysis and design diagram standards important?

| **A)** | **They promote communication between team members** |
| --- | --- |
| **B)** | They provide work for international standards committees |
| **C)** | 3. They prevent systems analysts’ clothes from shrinking in the wash |

**7 Which of the following are the rules that modeling techniques should enforce?**

| **A)** | Simplicity of representation, external consistency, completeness and network representation |
| --- | --- |
| **B)** | **Simplicity of representation, internal consistency, completeness and hierarchical representation** |
| **C)** | Simplicity, internal consistency, completeness and hierarchical symbols |

8 Which of the following is not an element of UML diagram notation?

| **A)** | Icon **B) Vertex C)** String |
| --- | --- |

**9 Which of the following is true?**

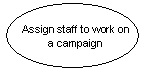
| **A)** | Icons can contain two-dimensional symbols **B) 2. Two-dimensional symbols can contain icons** |
| --- | --- |
| **C)** | An icon contains at least one vertex and one string |

**10 Which of the following is true?**

| **A)** | A model consists of one and only one diagram |
| --- | --- |
| **B)** | A diagram contains at least one model **C) A model contains diagrams** |

**11 Which of the following is the UML notation for a model?**

| **A)** | Answer A  **B)**  Answer B  **C) Answer C** |
| --- | --- |

**12. **

**ANS:**

| **A)** | An actor. |
| --- | --- |
| **B)** | **A use case** |
| **C)** | An activity |

**13. **

**ANS:**

| **A)** | **An actor** |
| --- | --- |
| **B)** | A use case |
| **C)** | A user |

**14.** Which of the following is not a purpose for using use cases?

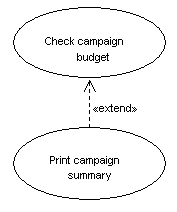
| **A)** | To document the scope of the system. |
| --- | --- |
| **B)** | To provide a high-level view of system functionality from the users’ perspective. |
| **C)** | **To describe the logic of operations** |

**15.** Which of the following pairs lists valid dependencies to show on a use case diagram?

| **A)** | **«extend» and «include».** |
| --- | --- |
| **B)** | «extend» and «retract». |
| **C)** | «exclude» and «include». |

**16.** Which of the following is the correct name for the symbols placed round stereotyped names such as «extend»?

| **A)** | Guillemots |
| --- | --- |
| **B)** | Parakeets |
| **C)** | **Guillemets** |

**17. **

**ANS:**

| **A)** | Check campaign budget extends Print campaign summary |
| --- | --- |
| **B)** | Check campaign budget includes Print campaign summary |
| **C)** | **Print campaign summary extends Check campaign budget** |

**18.** Which of the following statements is true?

| **A)** | Actors are linked to use cases by inheritance |
| --- | --- |
| **B)** | **Actors are linked to use cases by communication associations** |
| **C)** | Actors are linked to use cases by «uses» dependencies |

**19.** Which of the following is shown in a use case diagram by a rectangle surrounding a group of use cases?

| **A)** | The class that implements the use cases |
| --- | --- |
| | **B)** | **The system or sub-system that the use cases belong to**. | | --- | --- | | |
| **C)** | The package that contains the use cases |

**20.** Which of the following is the best definition of an actor?

| **A)** | An actor represents a user of the system |
| --- | --- |
| **B)** | An actor represents a role played by a user of the system |
| **C)** | **An actor represents a role played by a user of the system or by an external system**. |