**MCQ for MCA-I (Semester- I)**

**Subject :- Object Oriented Software Engineering**

**(Subject Code:- IT-13) (MCA Management 2020 Pattern)**

**Chapter: 3] Use Case Driven Object Oriented Analysis**

Q.1 ]  **To hide the internal implementation of an object we use …**

a) inheritance

b) encapsulation

c) polymorphism

d) None of above

**Q.2] The vertical dimension of a**[sequence diagram](https://t4tutorials.com/sequence-diagram-of-store-management-system-project/)**shows**

a) abstract

b) line

c) time

d) messages

Q.3] Abstraction provide an operation named as …

a) encapsulation

b) call back

c) turn down

d) Inheritance

Q.4]An Object-oriented program is structured as a community of interacting agents, called \_\_\_\_\_\_\_\_

a) Objects

b) Classes

c) Functions

d )Statements

Q.5] A collection of operations that specify the services rendered by a class or component known as\_\_\_\_\_\_\_\_

a) Class

b) Interaction

c) Interface

d) Collaboration

Q.6]   \_\_\_\_\_\_\_\_ is an abstraction of a set of functions that the system performs.

a) Class

b) Interaction

c) Use case

d) Collaboration

Q.7] The explanatory parts of the UML model are known as \_\_\_\_\_\_\_\_

a. Behavioral things

b. Grouping things

c. Structural things

d. Annotational things

Q.8] UML is useful to \_\_\_\_\_\_\_\_ a system as it is or as we want it to be.

a. Visualize

b. Specify

c. Document

d. All of the above

Q.9] A collection of operations that specify the services rendered by a class or component known as\_\_\_\_\_\_\_\_

a. Class

b. Interaction

c. Interface

d. Collaboration

Q.10] \_\_\_\_\_\_\_\_  is a physical element that exists at runtime and represents a  computational resource.

a. Node

b. Actor

c. Name

d. Object

Q.11] Which one of the following is not a structural thing?

a. Class

b. Package

c. Use case

d. Node

Q.12] A link is an instance of \_\_\_\_\_\_\_\_

a. Generalization

b. Association

c. Dependency

d. Realization

Q.13] Which one of the following OOAD artifacts is the MOST useful?

a. Use cases

b. Interaction diagrams

c. Activity diagrams

d. Package diagrams

Q.14] An actor is \_\_\_\_\_\_\_\_

a. A person

b. A job title

c. A role

d. A system

Q.15]  Associations \_\_\_\_\_\_\_\_

a. May exist only between actors and use cases

b. Identify the flow of data between actors and use cases

c. Identify interactions between actors and use cases

d. Identify dependencies between actors and use cases

Q.16] Use cases \_\_\_\_\_\_\_\_

a. Identify business processes

b. Identify system goals

c. Describe workflow

d. Prioritize system procedures

Q.17] The association stereotype «Extends» indicates \_\_\_\_\_\_\_\_

a. Delegation of part of a task to another use case

b. The target use case is a subprocess of the source use cases

c. A specialized form of a use case

d. A deviation from the UML standard

Q.18] who consider diagrams as a type of Class diagram, component diagram, object diagram, and deployment diagram?

A) structural  
B) behavioral  
C) non-behavioral  
D) non structural

Q.19] \_\_\_\_\_\_\_\_\_are Weak entities are represented in UML diagrams by using aggregations

A) qualified  
B) non-qualified  
C) non-qualified  
D) qualified

Q.20]\_\_\_\_\_\_\_\_\_\_ represented by In UML diagrams, relationship between component parts and object.

A) ordination  
B) aggregation  
C) segregation  
D) increment  
Answer:b

Q.21].which type they considered Activity diagram, use case diagram, collaboration diagram, and sequence diagram?

A) non-behavioral  
B) non-structural  
C) structural  
D) behavioral

Q.22] which diagram is used to show interactions between messages are classified as?

A) activity  
B) state chart  
C) collaboration  
D) object lifeline

Q.23]which diagrams are used to distribute files, libraries, and tables across topology of the hardware

A) deployment  
B) use case  
C) sequence  
D) collaboration

Q.24]which diagram that helps to show Dynamic aspects related to a system?

A) sequence  
B) interaction  
C) deployment  
D) use case

Q.25] simple name in UML Class and objects consist of \_\_\_\_\_\_\_\_\_\_.

A) Letters  
B) Digits  
C) Punctuation Characters  
D) All of the mentioned

Q.26]which of the following Composite name consists of in a UML Class and object diagram?

A) Delimiter  
B) Simple names  
C) Digits  
D) All of the mentioned

Q.27]which of these abstractions class consist?  
A) Set of the objects  
B) Operations  
C) Attributes  
D) All of the mentioned

Q.28]which of these compartments divided in class?  
A) Name  
B) Attribute  
C) Operation  
D) All of the mentioned

Q.29]which of the following attribute is a data item held by?  
A) Class  
B) Object  
C) All of the mentioned  
D) None of the mentioned

Q.30] Mentioned as \_\_\_\_\_\_\_\_\_ attributes for conceptual modelling?  
A) Initial Values  
B) Names  
C) All of the mentioned  
D) None of the mentioned

Q.31]An operation can be described as\_\_\_\_\_\_\_\_\_\_.  
A) Object  
B) Class  
C) Functions  
D) Object & Class

Q.32]\_\_\_\_\_\_\_\_\_are part of the class operation specification format.  
A) name  
B) parameter list  
C) return-type list  
D) all of the mentioned

Q.33]which among the optional statement is true?  
A) Associations may also correspond between instances of three  
B) Association lines may be unlabeled  
C) All of the mentioned  
D) None of the mentioned

Q.34]Multiplicity for an association \_\_\_\_\_\_\_\_\_\_\_.  
A) association is the number of instances with a single instance  
B) association is the number of instances with a number instance  
C) All of the mentioned  
D) None of the mentioned

Q.35]\_\_\_\_\_\_\_\_\_\_\_among these are the rules to be considered to form Class diagrams.  
A) Class symbols least a name compartment  
B) The compartment can be in random order  
C) Attributes and operations can be listed  
D) None of the mentioned

Q.36] these are the heuristics \_\_\_\_\_\_\_\_\_.  
A) Name classes attributes with noun phrases  
B) Name operations with verb phrases  
C) Stick to binary associations  
D) All of the mentioned

Q.37] An object symbol is divided into \_\_\_\_\_\_\_\_\_ part of compartment  
A) Top  
B) Bottom  
C) All of the mentioned  
D) None of the mentioned

Q.38 ]\_\_\_\_\_\_\_\_\_\_\_diagram is time-oriented?  
A) Collaboration  
B) Sequence  
C) Activity  
D) None of the mentioned

Q.39]which term are combined Interaction Diagram?  
A) Sequence Diagram + Collaboration Diagram  
B) Activity Diagram + State Chart Diagram  
C) Deployment Diagram + Collaboration Diagram  
D) None of the mentioned

Q.40] Structure diagrams emphasize the things present system being modeled.  
A) True  
B) False

Q.41] \_\_\_\_\_\_\_\_\_\_diagram in UML shows a complete of a modeled system at a specific time.  
A) Sequence  
B) Collaboration  
C) Class  
D) Object

Q.42]\_\_\_\_\_\_\_\_\_\_UML diagrams has a static view.  
A) Collaboration  
B) Use case  
C) State chart  
D) Activity

Q.43 ]To distinguish between active and non-active object which property is applied?

a) abstraction

b) polymophism

c) concurrency

d) aggregation

Q.44] The [time oriented diagram](https://t4tutorials.com/spm-forward-and-backward-pass-in-network-diagram/) include …

a) sequence

b) classes

c) activity

d) none of these

Q.45 ] Aggregation is …

a) set of relationship

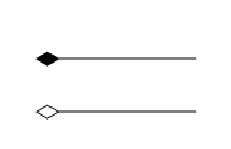
b) composed of relationship

c) part of relationship

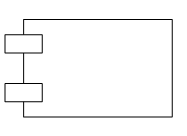
d) all of these

Q.46] Which of the following UML diagrams has a static view?  
a) Collaboration  
b) Use case  
c) State chart  
d) Activity

Q. 47] What type of core-relationship is represented by the symbol in the figure below?



a) Aggregation  
b) Dependency  
c) Generalization  
d) Association

Q.48] Which core element of UML is being shown in the figure?  
[](https://www.sanfoundry.com/wp-content/uploads/2013/07/software-engg-mcqs-diagrams-uml-1-q3.png)  
a) Node  
b) Interface  
c) Class  
d) Component

Q.49 ] Which diagram in UML shows a complete or partial view of the structure of a modeled system at a specific time?  
a) Sequence Diagram  
b) Collaboration Diagram  
c) Class Diagram  
d) Object Diagram

Q.50]  Interaction Diagram is a combined term for  
a) Sequence Diagram + Collaboration Diagram  
b) Activity Diagram + State Chart Diagram  
c) Deployment Diagram + Collaboration Diagram  
d) None of the mentioned

Q.51] Structure diagrams emphasize the things that must be present in the system being modeled.  
a) True  
b) False

Q.52] An operation can be described as?  
a) Object behavior  
b) Class behavior  
c) Functions  
d) Object & Class behavior

Q.53] What among the following statement is true?  
a) Associations may also correspond to the relation between instances of three or more classes  
b) Association lines may be unlabeled or they may show association name  
c) All of the mentioned  
d) None of the mentioned

Q.54] Which among these are the rules to be considered to form Class diagrams?  
a) Class symbols must have at least a name compartment  
b) Compartment can be in random order  
c) Attributes and operations can be listed at any suitable place  
d) None of the mentioned

Q.55]UML is not a programming language; it is rather a visual language.

1. True
2. False

Q.56 ]Composite Structure Diagram is used to represent the internal structure of a class.

1. True
2. False

Q.57] Deployment Diagram is used to represent system hardware and its software.

1. True
2. False

Q.58] How many views of the software can be represented through the Unified Modeling Language (UML)?

1. Four
2. Five
3. Nine
4. None of the above

Q.59 ]It shows a full or partial view of the structure within a precise time for a modelled system?

1. Sequence Diagram
2. Object Diagram
3. Collaboration Diagram
4. Class Diagram

Q.60 ] Behavior Diagrams includes ...

1. Use Case Diagrams
2. State Diagrams
3. Activity Diagrams
4. All of these