

NADAR SARASWATHI COLLEGE OF ENGINEERING AND TECHNOLOGY, THENI.

Course/Branch : BE/CSE	Year / Semester : III/ V	Format No.	NAC/TLP-07a.13
Subject Code : CS8592	Subject Name : Object Oriented Analysis & Design	Rev. No.	02
Unit No : 1	Unit Name : Unified Process and Use case Diagrams	Date	30.09.2020

OBJECTIVE TYPE QUESTION BANK

S. No.	Objective Questions (MCQ /True or False / Fill up with Choices)	BTL
1	The method of design encompassing the process of object oriented decomposition and a notation for depicting both logical and physical and as well as static and dynamic models of the system under design is known as: a) Object- Oriented Programming b) Object- Oriented Design c) Object- Oriented Analysis d) None of the mentioned	L2
2	What is the programming style of the object oriented conceptual model? a) Invariant relationships b) Algorithms c) Classes and objects d) Goals, often expressed in a predicate calculus.	L2
3	The essential characteristics of an object that distinguish it from all other kinds of objects and thus provide crisply defined conceptual boundaries, relative to the perspective of the viewer is called: a) Encapsulation b) Modularity c) Hierarchy d) Abstraction	L4
4	Abstraction is classified into _____ types a) 4 b) 3 c) 2 d) 1	L5
5	The process of compartmentalizing the elements of an abstraction that constitute its structure and behavior is called as a) Hierarchy b) Encapsulation c) Modularity d) Entity Abstraction	L1
6	Single inheritance, Multiple inheritance, and Aggregation comes under _____ a) Modularity b) Typing c) Hierarchy d) None of the mentioned	L4
7	In which of the following mechanisms, types of all variables and expressions are fixed at compilation time. a) Strong Typing b) Weak Typing c) Static Binding/ early binding d) Dynamic Binding/ late binding	L5

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8	Which of the following statements about Persistence is correct? a) It is the enforcement of the class of an object, such that objects of different types may not be interchanged, or at the most they may be interchanged only in very restricted ways. b) It is the property of an object through which its existence transcends time and/or space. c) It is the property that distinguishes an active object from one that is not active. d) All of the mentioned	L1
9	In which of the following mechanisms, types of all variables and expressions are not known until runtime a) Strong Typing b) Weak Typing c) Static Binding/ early binding d) Dynamic Binding/ late binding	L2
10	What is that concept in type theory in which a single name may denote objects of many different classes that are related by some common super class referred to _____ a) Monomorphism b) Type Checking c) Polymorphism d) Generalization	L4
11	The fact that the same operation may apply to two or more classes is called what? A. Inheritance B. Polymorphism C. Encapsulation D. Multiple classification	L5
12	The fact that the same operation may apply to two or more classes is called what? A. Inheritance B. Polymorphism C. Encapsulation D. Multiple classification	L4
13	Multiplicity is the same as what concept for an ERD? A. Relationship B. Attribute C. Entity D. Cardinality	L5
14	Composition is a stronger form of which of the following? A. Aggregation B. Encapsulation C. Inheritance D. All of the above.	L1
15	An abstract class is which of the following? A. A class that has direct instances, but whose descendants may have direct instances. B. A class that has no direct instances, but whose descendants may have direct instances.	L5

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	<p>C. A class that has direct instances, but whose descendants may not have direct instances. D. A class that has no direct instances, but whose descendants may not have direct instances</p>	
16	<p>The term Complete for a UML has the same meaning as which of the following for an EER diagram? A. Overlapping rule B. Disjoint rule C. Total specialization rule D. Partial specialization rule</p>	L1
17	<p>UML diagram includes which of the following? A. Class name B. List of attributes C. List of operations D. All of the above.</p>	L5
18	<p>An object can have which of the following multiplicities? A. Zero B. One C. More than one D. All of the above.</p>	L4
19	<p>Which of the following statement is true concerning objects and/or classes? A. An object is an instance of a class. B. A class is an instance of an object. C. An object includes encapsulates only data. D. A class includes encapsulates only data.</p>	L5
20	<p>Which of the following applies to a class rather than an object? A. Query B. Update C. Scope D. Constructor</p>	L1
21	<p>The benefits of object-oriented modeling are which of the following? A. The ability to tackle more challenging problems B. Reusability of analysis, design, and programming results C. Improved communication between users, analysts, etc. D. All of the above.</p>	L5
22	<p>The term Incomplete for a UML has the same meaning as which of the following for an EER diagram? A. Overlapping rule B. Disjoint rule C. Total specialization rule D. Partial specialization rule</p>	L1
23	<p>A constructor operation does which of the following? A. Creates a new instance of a class B. Updates an existing instance of a class C. Deletes and existing instance of a class</p>	L2

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	D.All of the above.	
24	Which of the following is a technique for hiding the internal implementation details of an object? A. Encapsulation B. Polymorphism C. Inheritance D. All of the above	L3
25	Aggregation is which of the following? A. Expresses a part-of relationship and is a stronger form of an association relationship. B. Expresses a part-of relationship and is a weaker form of an association relationship. C. Expresses an is-a relationship and is a stronger form of an association relationship. D. Expresses an is-a relationship and is a weaker form of an association relationship.	L5
26	Use case descriptions consist of interaction ____? a) Use case b) product c) Actor d) Product & Actor	
27	What are the types of prototypes? a) Horizontal prototypes b) Vertical Prototypes c) All of the mentioned d) None of the mentioned	
28	Diagrams which are used to distribute files, libraries, and tables across topology of hardware are called A. deployment diagrams B. use case diagrams C. sequence diagrams D. collaboration diagrams	
29	Which of these statements are truly acceptable? a) A precondition is an assertion guaranteed to be true when the operation finishes b) A post-condition is an assertion guaranteed to be true when the activity or operation begins c) An event which causes a use case to begin is trigger d) None of the mentioned	
30	How many views of the software can be represented through the Unified Modeling Language (UML)? a. Four b. Five c. Nine d. None of the above	