Paper Code - 3100

M.Sc.(CA&IT) Sem.-9

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905 - Object Oriented Analysis and Design

કુલ સમય :– ૬૦ મીનીટ કુલ પ્રશ્નો : ૫૦ વિદ્યાર્થીએ ટીક કરવાના પ્રશ્નો : ૩૫

નોંધ : વિદ્યાર્થીએ માત્ર ૩૫ પ્રશ્નો જ ટીક કરવાના રહેશે. જો વધારે ટીક કરેલ હશે તો પ્રથમ ૩૫ પ્રશ્નો જ ગણતરીમાં લેવામાં આવશે.

1. _____ represented by In UML diagrams, relationship between component parts and object.
A) ordination B) aggregation C) segregation D) increment

2.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

3.which diagram is used to show interactions between messages are classified as?
A) activity B) state chart C) collaboration D) object lifeline

4. Which content structure is useful when content can be categorized in two dimensions?
A) Linear Structure B) Grid Structures C) Hierarchical Structures D) Composite Structures

5. which of the following are not part of the design pyramid for web E design?
a) Architecture design b) Business case design c) content design d) Aesthetic design

6. Which content structure enables flow of control horizontally, across vertical branches of the structure?
A) Linear Structure B) Grid Structures
C) Hierarchical Structures D) Networked or "pure web" structures

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

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

9.A class is
a) a group of objects b) template for objects of a particular type
c) a class of objects d) a classification of objects

10 An operation can be described as_____.
A) Object B) Class C) Functions D) Object & Class

11.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

12._____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

13 ._____diagram is time-oriented?
A) Collaboration B) Sequence C) Activity D) None of the mentioned

14Encapsulation in object-oriented modeling is useful as
A)it allows improving methods of an object independent of other parts of system
B) it hides implementation details of methods
C)it allows easy designing D) encapsulates attributes and operations of object

15 How many views of the software can be represented through the Unified Modeling Language?
A) Four B)Five C)Nine D)None of the above

16. A model is a _____ of reality.
a. Complication b. Simplification c. Realization d. Generalization

17. Algorithmic and object-oriented are the two common ways for modeling _____
a. Non-software Systems b. Software Systems c. Vocabulary of a System d. Client/Server System

18 . An Object-oriented program is structured as a community of interacting agents, called _____
a. Objects b. Classes c. Functions d. Statements

19 . _____ is a physical element that exists at runtime and represents a computational resource.
a. Node b. Actor c. Name d. Object

20What 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)Monomorphic b)TypeChecking c)Polymorphism d) Generalization

21 Which of the following doesn't include in message types?
a. Call b. Return c. Send d. Delete

22A set of messages exchanged among a set of objects is called as _____
a. use case b. activity c. interaction d. deployment

23. A state machine whose actions are all attached to states is called _____
a. Activity diagram b. Mealy machine c. Moore machine d. Component diagram

24. . _____ are used to model records of activities that describe what happened in the past/what need to be done later.
a. Events b. Signal c. Node d. Object

25. _____ and _____ are the two issues of Requirement Analysis.
a) Performance, Design b) Stakeholder, Developer
c) Functional, Non-Functional d) None of the mentioned

26. . _____ relationship between use cases means that the base use case explicitly incorporates the behavior of another use case at a location specified in the base.
a. Exclude b. Extend c. Include d. Abstract
27. Forward Engineering is the process of translating _____
a. Model to Model b. Code to Model c. Model to Code d. Code to Code
28 . Forward engineering and reverse engineering can be applicable to _____
a. class diagram b. stereotypes c. tagged values d. adornments
29. 5. Objects diagram is used to model the _____ structure
a. class b. object c. use case d. activity
30. Choose the _____ which has to be reverse engineered.
a. target b. relationship c. visibility d. constraints
31 which of the following is not one of the content architectural structures used by web engineers?
a) linear b) grid c) hierarchical d) parallel
32 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
33 Single inheritance, Multiple inheritance, and Aggregation comes under _____
a) Modularity b) Typing c) Hierarchy d) None of the mentioned
34 To hide the internal implementation of an object we use …
a) inheritance b) encapsulation c) polymorphism d) none of these
35The feature of the object oriented paradigm which helps code reuse is _____ .
a. Object b. Class c. Inheritance d. Aggregation.
36 Which four framework activities are found in the Extreme Programming ? Select one:
a. analysis, design, coding, testing b. planning, analysis, design, coding
c. planning, design, coding, testing d. planning, analysis, coding, testing
37 ._____UML diagrams has a static view.
A) Collaboration B) Use case C) State chart D) Activity
38How many feasibility studies is conducted in Requirement Analysis ?
a) Two b) Three c) Four d) None of the mentioned
39 Functions and procedures are Select one:
a. not useful in designing computer systems b. old fashioned and they are not useful
c. have side effects which require special care if they are used as subsystems d. useful in designing computer systems
40 CRC approach and noun phrase approach are used to identify …
a) classes b) collaborators c) use cases d) object
41 Which web app attribute is defined by the statement:”The quality and aesthetic nature of content remains an important determinant of the quality of a WebApp”?
a) Availability b) Data driven c) Content sensitive d) Continuous evolution
42 Which of the following is not a diagram studied in Requirement Analysis ?
a) Use Cases b) Entity Relationship Diagram c) State Transition Diagram d) Activity Diagram
43 The feature of the object oriented paradigm which helps code reuse is _____ .
a. Object b. Class c. Inheritance d. Aggregation.
44.content design is conducted by
a) Copywriters and graphics designer b) Web engineers c) Both a and b d) none of the above
45 which of the following are design goals for every webapp?
a) Simplicity b) Consistency c) Navigability d) All of the above
46_____ is a physical and replaceable part of system.
a. Component b. Deployment c. Node d. State
47. Which analysis is a part of Analysis model of the web engineering process framework?
a) Content Analysis b) Interaction Analysis c) Functional Analysis d) All of the mentioned
48 which of the following charecteristrict should not be used to access the quilty of a web app?
a) Aesthetics b) reliability c) maintainability d) usability
49 MVC is three layer acrchitecture that contains a
a) machine, view, content objects b) model, view , and content objects
c) model, view and controller d) machine, view , controller
50 which of these is not one of the design activities associated with object-oriented hypermedia design?
a) abstract interface design b) conceptual design
c) content design d) navigational design