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JNTU ONLINE EXAMINATIONS [Mid 2 - ooad]

1. Realization of a use case is specified by _ _ _ _ _

_ _ [01D01] www.yoursww8.tk |Admin: N.Rajeev

a. A collaboration

b. A component

c. A node

d. An activity

2. _ _ _ _ _ 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.

[01D02]

a. Exclude

b. Extend

c. Include

d. Abstract

3. _ _ _ _ _ captures the intended behavior of a system [01M01]

a. Use Case

b. Component

c. Class

d. Interface

4. A Use case captures _ _ _ _ _ of a system [01M02]

a. Structure

b. Organization

c. Behavior

d. Construction

5. Extend relationship is rendered using _ _ _ _ _ [01M03]

a. Dependency relationship

b. Generalization relationship

c. Realization relationship

d. Association relationship

6. A use case is rendered as [01S01]

a. A dashed ellipse

b. A rounded rectangle

c. An ellipse

d. A circle

7. The names of use cases are generally given as [01S02]

a. Noun phrases

b. Verb phrases

c. Adjectives

d. Adverbs

8. Actors are connected to use cases only by [01S03]

a. Association relationship

b. Generalization relationship

c. Realization relationship

d. Dependency relationship

9. _ _ _ _ _ represents a role that plays within a system [01S04]

a. Use case

b. Component

c. Actor

d. Activity

10. The behavior of a use case is specified by _ _ _ _ _ [01S05]

a. Flow of events

b. Classes

c. Components

d. Nodes

11. _ _ _ _ _ provide services to the system under design [02D01]

a. Use Case

b. Primary Actor

c. Supporting Actor

d. Use Case Diagram

12. _ _ _ _ _ uses the services of the system under design to fulfill the goals [02D02]

a. Primary Actor

b. Supporting Actor

c. Offstage Actor

d. Secondary Actor

13. _ _ _ _ _ are the stories of using a system to meet the goals [02M01]

a. Use Cases

b. Components

c. Collaborations

d. Activities

14. The idea of use cases to describe the functional requirements was introduced by [02M02]

a. Grady Booch

b. Ivar Jacobson

c. James Rumbaugh

d. Meilir Page Jones

15. _ _ _ _ _ state ``what must always'' be true beginning a scenario in the use case [02M03]

a. Pre-conditions

b. Primary conditions

c. Post-conditions

d. Secondary conditions

16. _ _ _ _ _ is used to graphically represent the flow of events of a use case [02S01]

a. Class diagram

b. Use case diagram

c. sequence diagram

d. Activity diagram

17. _ _ _ _ _ is used to structure the behavioral things in a model [02S02]

a. Use case

b. Class

c. Component

d. Node

18. _ _ _ _ _ defines a promise or contract of how a system will behave [02S03]

a. Use Case

b. Component

c. Collaboration

d. Activity

19. Extension scenarios are also called as [02S04]

a. Primary Flows

b. Basic Flows

c. Alternative Flows

d. Main Flows

20. Which of the following is used to organize the use cases [02S05]

a. Component

b. Collaboration

c. Generalization

d. Association

21. Which of the following is a valid actor for credit card validation system? [03D01]

a. Transaction

b. Account

c. Retail Institution

d. Bill

22. In a Use Case Diagram, use cases are adorned with _ _ _ _ _ to assert nonfunctional requirements [03D02]

a. Notes

b. Stereotypes

c. Tagged values

d. Constraints

23. Which of the following diagram view the whole system as a block box? [03M01]

a. Class Diagram www.yoursww8.tk |Admin: N.Rajeev

b. Use Case Diagram

c. Component Diagram

d. Deployment Diagram

24. Actors similar to one another are organized using _ _ _ _ _ relationship [03M02]

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- a. Dependency
- b. Generalization**
- c. Realization
- d. Association

25. Which of the following is NOT present in a Use Case Diagram? [03M03]

- a. Note
- b. Actor
- c. Constraint www.yoursww8.tk | Admin: N.Rajeev
- d. Collaboration**

26. _____ diagram is used to model the requirements of a system [03S01]

- a. Component Diagram
- b. Activity Diagram
- c. Use Case Diagram**
- d. State Chart Diagram

27. In Use Case Diagrams, common behavior of actors are generally named as [03S02]

- a. Use Cases**
- b. Roles
- c. Primary actors
- d. Secondary actors

28. _____ relationship is NOT present in a Use Case Diagram [03S03]

- a. Dependency Relationship
- b. Generalization Relationship
- c. Association Relationship
- d. Realization Relationship**

29. The behavior of a system is modeled using _____ [03S04]

- a. Component Diagram
- b. Deployment Diagram
- c. Class Diagram
- d. Use Case Diagram**

30. Use Case Diagrams are used to model _____ view of a system [03S05]

- a. Design View
- b. Process View
- c. Implementation View
- d. Use Case View**

31. In an Activity Diagram, transitions belongs to [04D01]

- a. Trigger Oriented Transitions
- b. Self Transitions
- c. Internal Transitions
- d. Completion Transitions**

32. Which of the following is NOT present in an Activity Diagram? [04D02]

- a. Action States
- b. Objects
- c. Events**
- d. Notes

33. In UML, activity state is graphically rendered as [04M01]

- a. A Circle
- b. An Ellipse
- c. A lozenge shape**
- d. A Rectangle

34. Executable non atomic computations are called as [04M02]

- a. Action States
- b. Activity States**
- c. Transitions
- d. Simple States

35. Activity diagram is a special kind of [04M03]

- a. Use Case Diagram
- b. State Chart Diagram**
- c. Interaction Diagram
- d. Component Diagram

36. Executable atomic computations are called as [04S01]

- a. Action States**
- b. Activity States
- c. Composite States
- d. Concurrent States

37. Activity diagram is used to model _____ aspects of a system [04S02]

- a. Static aspects
- b. Dynamic aspects**
- c. Structured aspects
- d. Deployment aspects

38. _____ is a path from one activity state to the next activity state [04S03]

- a. Action State
- b. Activity State
- c. Transition**
- d. Fork

39. In UML, transition is graphically rendered as [04S04]

- a. A Directed line**
- b. A Dashed Directed line
- c. A Solid line
- d. A Dashed Solid line

40. _____ may have two or more incoming transitions and one outgoing transition [04S05]

- a. Fork
- b. Join**
- c. Branch
- d. Swim lane

41. While modeling an operation, use forking and joining only if the operation is owned by [05D01]

- a. A Class
- b. A Use Case
- c. An Active Class**
- d. An Interface

42. Animation of a model against the execution of a deployed system is an example of [05D02]

- a. Business Engineering
- b. Forward Engineering
- c. Reverse Engineering**
- d. Temporal Engineering

43. Objects placed in an Activity Diagram are connected to the activity or transition using _____ relationship [05M01]

- a. Association
- b. Generalization
- c. Dependency**
- d. Realization

44. Forward Engineering is possible for an Activity Diagram especially if the context of the diagram is _____ [05M02]

- a. An Operation**
- b. A Workflow
- c. A Class
- d. A Use Case

45. Pre-conditions of an initial state and post-conditions of a final state of the workflow are important in modeling _____ [05M03]

- a. Boundaries of the workflow**
- b. Swim lanes of the workflow
- c. Sequences of the workflow
- d. Semantics of the workflow

46. Which of the following diagram is used to model business workflows? [05S01]

- a. Use Case Diagram
- b. State Chart Diagram
- c. Component Diagram
- d. Activity Diagram**

47. _____ is used to represent concurrent flows in an Activity Diagram [05S02]

- a. Slide bar www.yoursww8.tk | Admin: N.Rajeev
- b. Synchronization bar**

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- c. Swim lane
- d. Branch

48. In an Activity Diagram, organizing the activities into groups is called [05S03]

- a. Forking
- b. Joining www.yoursww8.tk | Admin: N.Rajeev
- c. Swim lane
- d. Synchronization

49. _____ diagram is used to model an operation [05S04]

- a. Component Diagram
- b. Use Case Diagram
- c. Activity Diagram
- d. State Chart Diagram

50. Forward Engineering is the process of translating [05S05]

- a. Model to Model
- b. Code to Model
- c. Model to Code
- d. Code to Code

51. Consider the example of autonomous robot. Then which of the following is an example of an External Event. [06D01]

- a. Battery fault
- b. Collision
- c. Hardware fault
- d. Movement fault

52. Call Events are handled by [06D02]

- a. A State Machine
- b. A Use Case
- c. A Process
- d. A Method

53. Internal event occurs when [06M01]

- a. The User Presses a Button
- b. A method is invoked via a message
- c. The System changes the state
- d. The operation of the object is completed

54. Which of the following is a change event [06M02]

- a. After (2 sec)
- b. At 11:30 AM
- c. Before (3 sec)
- d. When (11:30AM)

55. In UML Exceptions are modeled as [06M03]

- a. Stereo Typed Interfaces
- b. Stereo Typed Use Cases
- c. Stereo Typed classes
- d. Stereo Typed Active classes

56. _____ are used to model records of activities that describe what happened in the past or what needs to be done later. [06S01]

- a. Process
- b. Events
- c. State Machines
- d. Components

57. The Relationship between two states is called _____ [06S02]

- a. Event
- b. Action
- c. Transition
- d. Transformation

58. In UML signals are modeled as [06S03]

- a. Classes
- b. Active classes
- c. Stereo Typed classes
- d. Stereo Typed Active classes

59. In UML _____ keyword is used to model time events [06S04]

- a. When www.yoursww8.tk | Admin: N.Rajeev
- b. After
- c. Before
- d. At

60. Which of the following is an Asynchronous Event [06S05]

- a. Call Event
- b. Time Event
- c. Signal Event
- d. Change Event

61. A sequential state machine may have [07D01]

- a. At most one initial state and one final state
- b. At least one initial state and one final state
- c. At most one initial state more than one final state
- d. More than one initial state and at most one final state

62. _____ is used to show which one, out of a set of transitions actually fires on a particular occasion [07D02]

- a. Event Trigger
- b. Action
- c. Guard Condition
- d. Activity

63. Transitions that are handled without causing a change in state are called [07M01]

- a. Self Transitions
- b. Internal Transitions
- c. External Transitions
- d. Deferred Transitions

64. Which of the following is used to model the life time of an object [07M02]

- a. Use Case
- b. Class
- c. State Machine
- d. Interface

65. Events that can cause transitions to fire are known as [07M03]

- a. Deferred Events
- b. Call Events
- c. Triggers
- d. Change Events

66. State that is active after the completion of the transition is called [07S01]

- a. Source State
- b. Target State
- c. History State
- d. Final State

67. Which of the following is present in a nested concurrent state machine [07S02]

- a. Initial State
- b. Final State www.yoursww8.tk | Admin: N.Rajeev
- c. History State
- d. Concurrent sub state

68. The relationship between two states is called [07S03]

- a. Event Trigger
- b. Guard Condition
- c. Transition
- d. Action

69. Events that are not handled in that state but are postponed and queued for handling by the object in another state are called as [07S04]

- a. Deferred Events
- b. Trigger Events
- c. Call Events
- d. Change Events

70. A state that is nested inside another state is called [07S05]

- a. History State
- b. Sub State
- c. Composite State
- d. Nested State

71. The behavior of an active class is specified by [08D01]

- a. A Use Case
- b. A Collaboration

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c. A State Machine

d. An Interaction

72. The collaboration of active and passive objects is specified Using [08D02]

a. Activity Diagrams

b. State Chart Diagrams

c. Interaction Diagrams

d. Component Diagrams

73. Process view primarily addresses [08M01]

a. Performance

b. Distribution

c. Behavior

d. Functionality

74. In UML, processes are modeled as [08M02]

a. Stereotyped Classes

b. Stereotyped Active Classes

c. Stereotyped Use Cases

d. Stereotyped Components

75. Which of the following is true regarding a process [08M03]

a. It is light weight

b. It cannot initiate a control activity

c. It is modeled by a class

d. It represents an independent flow of control

76. In UML _____ is used to model each independent flow of control [08S01]

a. Use Case

b. Activity

c. Active Object

d. Action

77. Which of the following is wrong with respect to a thread [08S02]

a. Threads are light weight

b. Threads are modeled using stereotyped active classes

c. Threads are nested inside another thread

d. Threads can initiate a control activity

78. _____ is used to model common families of processes or threads [08S03]

a. Use case

b. Class www.yoursww8.tk |Admin: N.Rajeev

c. Active class

d. Interface

79. Graphically an active class is rendered as a rectangle with [08S04]

a. Dashed Lines

b. Thick Lines

c. Dotted Lines

d. Solid Lines

80. In UML, asynchronous message is rendered as _ _ _ _ [08S05]

a. Full Arrow

b. Half Arrow

c. Active Class

d. Interface

81. Absolute time of an event is modeled as [09D01]

a. Timing Constraint

b. Timing Mark

c. Timing Expression

d. Timing Semantics

82. Which of the following diagram is used to model object Migration [09D02]

a. Activity Diagram

b. Object Diagram

c. Collaboration Diagram

d. Sequence diagram

83. The allocation of an object to a new node is rendered as [09M01]

a. a ``move" stereotyped message

b. a ``copy" stereotyped message

c. a ``allocate" stereotyped message

d. a ``place" stereotyped message

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84. _____ is denotation for the time at which an event occurs [09M02]

a. Timing mark

b. Timing constraint

c. Timing Expression

d. Timing response

85. Graphically, location is rendered as [09M03]

a. A Constraint

b. A tagged value

c. A stereotype www.yoursww8.tk |Admin: N.Rajeev

d. an expression

86. Graphically, a timing constraint is rendered as [09S01]

a. A Constraint

b. A Tagged value

c. A Stereotype

d. An Expression

87. Diagram is used to model the distribution of objects [09S02]

a. Activity Diagram

b. Object Diagram

c. Interaction Diagram

d. State Chart Diagram

88. The deployment view of a system is modeled using [09S03]

a. Component Diagram

b. Activity Diagram

c. Development Diagram

d. Use case Diagram

89. Time critical systems are called as [09S04]

a. Concurrent Systems

b. Sequential Systems

c. Distributed Systems

d. Real time Systems

90. Which of the following evaluates to an absolute value of Time? [09S05]

a. Timing mark

b. Timing Constraint

c. Timing Expression

d. Timing Location

91. A state machine whose actions are all attached to states is called [10D01]

a. Activity diagram

b. Mealy machine

c. Moore machine

d. Component diagram

92. State independent means that the object responds [10D02]

a. The same way to an event

b. The same way to a different event

c. In a different way to the same event

d. The same way to all events

93. Which of the following is not present in a State Chart Diagram? [10M01]

a. Fork

b. Event

c. Action

d. Object

94. Forward Engineering of a state chart diagram is possible especially if the context of the diagram is [10M02]

a. A Class www.yoursww8.tk |Admin: N.Rajeev

b. A State

c. A Component

d. A Node

95. State chart Diagrams are needed [10M03]

a. When a class has complex life cycle

b. When the execution of scenario is to be traced

c. To allocate classes and objects to modules

d. To allocate processes to processors

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96. Which of the following diagram is used to model the dynamic aspects of a system? [10S01]

- a. State Chart Diagram
- b. Class Diagram www.yoursww8.tk | Admin: N.Rajeev
- c. Component Diagram
- d. Deployment Diagram

97. Executable atomic computations are called as [10S02]

- a. States
- b. Actions
- c. Activities
- d. Transitions

98. diagram is used to model reactive objects. [10S03]

- a. Class Diagram
- b. Object Diagram
- c. Sate Chart Diagram
- d. Sequence Diagram

99. In UML, a state is graphically rendered as [10S04]

- a. Rectangle
- b. Lozenge shape
- c. Rounded rectangle
- d. Ellipse

100. diagram is used to show the state space of a given class. [10S05]

- a. Component Diagram
- b. Class Diagram
- c. State Chart Diagram
- d. Deployment Diagram

101. Which of the following is WRONG with respect to components and classes? [11D01]

- a. Both participate in generalization
- b. Both have instances
- c. Both participate in interactions
- d. Both represent physical things

102. Which of the following is used to bridge logical and physical models [11D02]

- a. Component
- b. Use case
- c. Interface
- d. Collaboration

103. The path name of a component is the name [11M01]

- a. Prefixed by the name of the component
- b. Suffixes by the name of the component
- c. Prefixed by the name of the package in which it lives
- d. Suffixes by the name of the package in which it lives

104. An interface that a component realizes is called as [11M02] www.yoursww8.tk | Admin: N.Rajeev

- a. Import interface
- b. Elided interface
- c. Export interface
- d. Dependent interface

105. In practice, component names are [11M03]

- a. Short nouns
- b. Verbs
- c. Adverbs
- d. Adjectives

106. In UML, physical things are modeled as [11S01]

- a. Use Cases
- b. Components
- c. Collaborations
- d. Classes

107. Graphically, a component is rendered as [11S02]

- a. A Rectangle
- b. A Rounded Rectangle
- c. A Rectangle with tabs
- d. A Rectangle with compartments

108. _____ is a collection of operations used to specify a service of a component [11S03]

- a. Use Case
- b. Class

- c. Interface
- d. Collaboration

109. Which of the following represents physical packaging of logical elements [11S04]

- a. Class
- b. Component
- c. Use Case
- d. Collaboration

110. _____ is used to model physical and replaceable part of a system [11S05]

- a. Use Case
- b. Interface
- c. Component
- d. Node

111. Which of the following stereotype is used to specify a component that represents a source code? [12D01]

- a. Library
- b. Document
- c. File
- d. Executable

112. Which of the following is an example of execution component [12D02]

- a. EJB www.yoursww8.tk | Admin: N.Rajeev
- b. J2EE
- c. COM+ Object
- d. CORBA

113. _____ is used to specify new kinds of components [12M01]

- a. Tagged value
- b. Interface
- c. Stereotype
- d. Class

114. _____ is used to model Application Programming Interfaces [12M02]

- a. Use Case
- b. Node
- c. Component
- d. Class

115. Creating a new system by adding new components and replacing old ones is called [12M03]

- a. Unary replaceability
- b. Binary replaceability
- c. Ternary replaceability
- d. N-Aray replaceability

116. Components that are necessary and sufficient to form an executable system are called [12S01]

- a. Deployment Components
- b. Work Product Components
- c. Execution Components
- d. Primary Components

117. Components are organized using [12S02]

- a. Generalization
- b. Use Case
- c. Interface
- d. Class

118. _____ stereotype is used to specify a component that represents a database table [12S03]

- a. File
- b. Table
- c. DB Table
- d. Database

119. Components that are essentially the residue of the deployment process are called [12S04]

- a. Work Product Components
- b. Deployment Components
- c. Secondary Components
- d. Execution Components

120. _____ is used to model source code [12S05] www.yoursww8.tk | Admin: N.Rajeev

- a. Component

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- b. Document
- c. Interface
- d. Class

121. A set of objects or components that are allocated to a node as a group is called [13D01]

- a. Distribution unit**
- b. Execution unit www.yoursww8.tk | Admin: N.Rajeev
- c. Package
- d. Subsystem

122. The relationship between a node and component can be shown explicitly using [13D02]

- a. Association relationship
- b. Dependency relationship**
- c. Aggregation relationship
- d. Realization relationship

123. _____ is an important building block in modeling the physical aspects of a system [13M01]

- a. Class
- b. Use Case
- c. Node**
- d. Interface

124. Which of the following relationship is NOT present between nodes [13M02]

- a. Generalization
- b. Association
- c. Dependency
- d. Realization**

125. _____ is used to model the distribution of components [13M03]

- a. Node**
- b. Package
- c. Use case
- d. Collaboration

126. Which of the following represents a computational resource? [13S01]

- a. Component
- b. Node**
- c. Use Case
- d. State

127. Graphically a node is rendered as [13S02]

- a. Cube**
- b. Two rectangles
- c. Rectangle
- d. Rectangle with tabs

128. In practice node names are [13S03]

- a. Verbs
- b. Short nouns**
- c. Adverbs
- d. Adjectives

129. _____ is used to model processors [13S04]

- a. Component
- b. Node**
- c. Use case
- d. Class

130. _____ is used to organize the nodes [13S05]

- a. Component
- b. Node
- c. Package**
- d. Stereo type

131. _____ is used to model the actions that cause components migrate [14D01]

- a. Use Case Diagram
- b. Deployment Diagram
- c. Interaction Diagram**
- d. Component Diagram

132. Component Diagram is a special kind of _____ [14D02]

- a. Class Diagram**
- b. Component Diagram
- c. Deployment Diagram
- d. Sequence Diagram

133. Which of the following diagram is used to model adaptable systems [14M01]

- a. State Chart Diagram
- b. Activity Diagram
- c. Component Diagram**
- d. Use Case Diagram

134. _____ is used to indicate the version number of the source code file [14M02]

- a. Stereotype www.yoursww8.tk | Admin: N.Rajeev
- b. Constraint
- c. Tagged Value**
- d. Version

135. Which of the following is used to model the seams in a system [14M03]

- a. Component

- b. Node
- c. Use Case
- d. Interface**

136. _____ diagram is used to model a physical database [14S01]

- a. Class Diagram
- b. Component Diagram**
- c. Deployment Diagram
- d. Sequence Diagram

137. Which of the following is NOT present in a Component Diagram? [14S02]

- a. Interface
- b. Realization relationship
- c. Constraint
- d. Class**

138. Component diagrams are commonly used to model [14S03]

- a. Physical database**
- b. Vocabulary of the system
- c. Logical database
- d. Context of the system

139. _____ diagram is used to model static implementation view of a system [14S04]

- a. Component Diagram**
- b. Deployment Diagram
- c. State Chart Diagram
- d. Activity Diagram

140. Which of the following shows the set of components and their relationship [14S05]

- a. Deployment Diagram
- b. Component Diagram**
- c. Use Case Diagram
- d. State Chart Diagram

141. Which of the following element is NOT present in a deployment diagram? [15D01]

- a. Note
- b. Constraint
- c. Component
- d. Tagged value**

142. Deployment Diagram is a special kind of [15D02]

- a. Component Diagram
- b. Use Case Diagram
- c. Class Diagram** www.yoursww8.tk | Admin: N.Rajeev
- d. Sequence Diagram

143. Which of the following relationship is not present in a deployment diagram? [15M01]

- a. Dependency
- b. Association
- c. Generalization**
- d. Aggregation

144. The static deployment view of a system primarily addresses [15M02]

- a. Performance
- b. Throughput
- c. Installation**
- d. Functionality

145. Deployment diagram is used to model [15M03]

- a. The vocabulary of a system
- b. The behavior of a system
- c. The static aspects of a system**
- d. The executables and libraries

146. _____ diagram shows the systems topology and distribution of components. [15S01]

- a. Component Diagram
- b. Use Case Diagram
- c. Deployment Diagram**
- d. Activity Diagram

147. Which of the following diagram is used to model embedded systems [15S02]

- a. Deployment Diagram**
- b. Component Diagram
- c. State Chart Diagram
- d. Use Case Diagram

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148. _____ diagram is used to model physical aspects of an object-oriented system [15S03]

- a. Activity Diagram
- b. Deployment Diagram**
- c. State Chart Diagram
- d. Use Case Diagram

149. Graphically a node is rendered as [15S04]

- a. A rectangle
- b. A box
- c. A circle
- d. A cube**

150. _____ diagram is used to model Client-Server systems [15S05]

- a. State Chart Diagram
- b. Activity Diagram
- c. Deployment Diagram**
- d. Object Diagram

151. _____ defines the stakeholders view of the product to be developed [16D01]

- a. Supplementary specification
- b. Glossary
- c. Vision**
- d. Use Case model

152. Non-functional requirements of Library System are captured in [16D02]

- a. Glossary
- b. Vision
- c. Supplementary Specification**
- d. Use Case Model

153. Which of the following is a functional requirement? [16M01]

- a. Reliability
- b. Usability
- c. Performance
- d. Behavior**

154. Which of the following process model is best suited for developing object-oriented systems? [16M02]

- a. Waterfall model
- b. Unified Process model**
- c. Prototype model
- d. Spiral model

155. The terms and definitions of library system are captured in [16M03]

- a. Supplementary specification
- b. Glossary**
- c. Vision
- d. Use Case model

156. _____ are the capabilities and conditions to which the system must conform [16S01]

- a. Stakeholders
- b. Software
- c. Requirements**
- d. End Users

157. Object -oriented analysis emphases on [16S02]

- a. Investigation of the requirements
- b. Finding and describing the objects**
- c. Finding the conceptual solution
- d. Defining objects and their collaborations

158. _____ are the mechanisms to discover and record requirements [16S03]

- a. Classes
- b. Use Cases**
- c. Objects
- d. Interfaces

159. Which of the following is a valid use case for library system? [16S04]

- a. Book
- b. Issue Book**
- c. Student
- d. Register

160. Which of the following is a valid actor for library system? [16S05]

- a. Student**
- b. Book
- c. Journal
- d. Account

161. Which of the following is a quality attribute? [17D01]

- a. Functionality
- b. Usability**
- c. Interface
- d. Implementation

162. _____ diagram illustrates input and output events related to the system under discussion [17D02]

- a. Use Case diagram
- b. Sequence diagram**
- c. Class diagram

d. Activity diagram

163. _____ are the primary mechanisms in the Unified Process to describe system behavior [17M01]

- a. Classes
- b. Use Cases**
- c. Supplementary specifications
- d. Components

164. In the UML, the system as a whole can be represented by a [17M02]

- a. Class**
- b. Use Case
- c. Supplementary specification
- d. Component

165. _____ language is used to express constraints in models [17M03]

- a. Constraint language
- b. Object constraint language**
- c. Class Constraint language
- d. Use Case Constraint language

166. The scenario of a use case is graphically represented using [17S01]

- a. Use Case diagram
- b. Class diagram
- c. Sequence diagram**
- d. Activity diagram

167. The name of a system event starts with [17S02]

- a. A Verb**
- b. A Noun
- c. An Adverb
- d. An Adjective

168. Sequence diagrams are part of [17S03]

- a. Use Case model**
- b. Domain model
- c. Design model
- d. Implementation model

169. The elements of an interface are [17S04]

- a. Methods
- b. Attributes
- c. Operations**
- d. Classes

170. Metadata is stored in [17S05]

- a. Data dictionary**
- b. Vision document
- c. Supplementary specification
- d. Requirements specification

171. On a domain model with n different conceptual classes, there can be [18D01]

- a. $n(n+1)$ associations
- b. $n(n-1)$ associations**
- c. $2n$ associations
- d. $2n+1$ associations

172. The domain model of Library System consists [18D02]

- a. Book class with attributes title, price**
- b. Book class with attribute author and operation getAuthor
- c. Book class with attributes title, author, price and operation getTitle
- d. Book class with attributes title, author, price and operations getTitle, getAuthor

173. _____ model visualizes the conceptual classes in the problem domain [18M01]

- a. Use Case model
- b. Domain model**
- c. Design model
- d. Implementation model

174. Using UML, a domain model is illustrated with a set of [18M02]

- a. Use Case diagrams**
- b. Class diagrams with no operations**
- c. Sequence diagrams
- d. Component diagrams

175. Conceptual class consists only [18M03]

- a. Attributes**
- b. Operations
- c. Events
- d. Responsibilities

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176. Which of the following conceptual class presents in the domain model of Library System? [18S01]

- a. Register
- b. Issue Book
- c. Book Return
- d. Check Account

177. In Library system, the multiplicity of the association between student and book corresponds to [18S02] www.yoursww8.tk |Admin: N.Rajeev

- a. One-to-many
- b. Many-to-one
- c. One-to-one
- d. Many-to-many

178. Multiplicity ``1..*'' represents [18S03]

- a. Zero or more
- b. One or more
- c. Many
- d. Exactly one

179. In class box attributes are shown in [18S04]

- a. First compartment
- b. Second compartment
- c. Third compartment
- d. Fourth compartment

180. Which of the following is a strategy for identifying conceptual classes? [18S05]

- a. Identifying noun phrases
- b. Identifying verb phrases
- c. Identifying adjectives
- d. Identifying adverbs

181. _____ diagram illustrates use case realizations [19D01]

- a. Class diagram
- b. Component diagram
- c. Sequence diagram
- d. Activity diagram

182. Attribute visibility from object A to object B exists when [19D02]

- a. A is an attribute of B
- b. B is an attribute of A
- c. A is a parameter of a method B
- d. B is a parameter of a method A

183. A use case is realized by [19M01]

- a. A Collaboration
- b. An Interface
- c. A Component
- d. A Node

184. _____ is used to denote a collection of instances [19M02]

- a. Named instance
- b. Anonymous instance
- c. Multiobject
- d. Multiinstance

185. Forward engineering of a collaboration diagram is possible especially if the context of the diagram is [19M03]

- a. An operation
- b. A subsystem
- c. A system
- d. A workflow

186. Sequence diagram is used to model [19S01]

- a. Workflows
- b. Flows of control by time ordering
- c. Flows of control by organization
- d. Life time of an object

187. _____ distinguishes a sequence diagram from collaboration diagram [19S02]

- a. Lifeline
- b. Focus of control
- c. Path
- d. Message

188. Which of the following is not present in a sequence diagram? [19S03]

- a. Life line
- b. Object

c. Sequence number

d. Focus of control

189. _____ is an instance of an association [19S04]

- a. Multiplicity
- b. Role
- c. Link
- d. Navigation

190. Which of the following diagram is used to represent structural organization of objects [19S05]

- a. Sequence diagram
- b. Collaboration diagram
- c. Class diagram
- d. Activity diagram

191. _____ is a contract or obligation of a class [20D01]

- a. Operation
- b. Responsibility
- c. Attribute
- d. Event

192. Navigability in the association implies [20D02]

- a. Usability
- b. Visibility
- c. Operability
- d. Adaptability

193. Non software things are modeled using [20M01]

- a. Classes
- b. Use Cases
- c. Components
- d. Collaborations

194. _____ relationship exists between the classes Student and Library [20M02]

- a. Generalization
- b. Aggregation
- c. Dependency
- d. Realization

195. _____ relationship is used to model 'Inheritance' property of Object Oriented systems [20M03]

- a. Dependency
- b. Association
- c. Generalization
- d. Realization

196. By default methods are [20S01]

- a. Private
- b. Public
- c. Protected
- d. Undecided

197. The set of significant decisions about the organization of a software system is called [20S02]

- a. Feasibility study
- b. Requirement analysis
- c. Software architecture
- d. Design pattern

198. _____ diagram is used to model the vocabulary of a system [20S03]

- a. Class diagram
- b. Component diagram
- c. Use Case diagram
- d. Deployment diagram

199. Which of the following class present in the class diagram of Library System? [20S04]

- a. Student
- b. Loan
- c. Product Description
- d. Fraud agent

200. _____ relationship exists between the classes Student and Book [20S05]

- a. Dependency
- b. Generalization
- c. Association
- d. Aggregation

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