



BVRIT HYDERABAD College of Engineering for Women

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Bachupally, Hyderabad-090

Department of Computer Science & Engineering

Multiple Choice Questions

Year : III **Semester** : III/ I **Regulations** : R18
Course Code : **Course Name** : SOFTWARE ENGINEERING
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Faculty Name(s) : M.Sundari

UNIT-IV: Syllabus		
S.No	Question	Answer
1	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	A
2	_____are Weak entities are represented in UML diagrams by using aggregations. A) qualified B) non-qualified C) non-qualified D) qualified	D
3	_____ represented by In UML diagrams, relationship between component parts and object. A) ordination B) aggregation C) segregation	B

	D) increment	
4	<p>which type they considered Activity diagram, use case diagram, collaboration diagram, and sequence diagram?</p> <p>A) non-behavioral B) non-structural C) structural D) behavioral</p>	D
5	<p>which diagram is used to show interactions between messages are classified as?</p> <p>A) activity B) state chart C) collaboration D) object lifeline</p>	C
6	<p>which diagrams are used to distribute files, libraries, and tables across topology of the hardware</p> <p>A) deployment B) use case C) sequence D) collaboration</p>	A
7	<p>which diagram that helps to show Dynamic aspects related to a system?</p> <p>A) sequence B) interaction C) deployment D) use case</p>	B
8	<p>simple name in UML Class and objects consist of _____.</p> <p>A) Letters B) Digits C) Punctuation Characters D) All of the mentioned</p>	D
9	<p>which of the following Composite name consists of in a UML Class and object diagram?</p> <p>A) Delimiter B) Simple names C) Digits</p>	D

	D) All of the mentioned	
10	which of these abstractions class consist? A) Set of the objects B) Operations C) Attributes D) All of the mentioned	D
11	which of these compartments divided in class? A) Name B) Attribute C) Operation D) All of the mentioned	D
12	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	D
13	Mentioned as _____ attributes for conceptual modelling? A) Initial Values B) Names C) All of the mentioned D) None of the mentioned	C
14	An operation can be described as _____. A) Object B) Class C) Functions D) Object & Class	D
15	_____are part of the class operation specification format. A) name B) parameter list C) return-type list D) all of the mentioned	D
16	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	C
17	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	A
18	_____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	A

	C) Attributes and operations can be listed D) None of the mentioned	
19	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	D
20	An object symbol is divided into _____ part of compartment A) Top B) Bottom C) All of the mentioned D) None of the mentioned	C
21	_____ diagram is time-oriented? A) Collaboration B) Sequence C) Activity D) None of the mentioned	B
22	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	A
23	Structure diagrams emphasize the things present system being modeled. A) True B) False	A
24	_____ diagram in UML shows a complete of a modeled system at a specific time. A) Sequence B) Collaboration C) Clas D) Object	D
25	_____ UML diagrams has a static view. A) Collaboration B) Use case C) State chart D) Activity	B
26	Deployment diagram consists _____? (A) Computational resource (B) Communication path in the mid of resource (C) Artifacts that run resource (D) All of the above	D
27	Select the statement that is incorrect about the deployment diagram. (A) path of connections among nodes are represented through communication paths (B) Artifacts are deployed inside nodes where they place and run (C) interconnection paths are shown through dotted lines	C

	(D) None of the mentioned (E) Both a and c	
28	Select which one is correct. (A) Artifact names and instances both are underlines (B) Artifacts instances and types have twin names (C) both a and b (D) All of these (E) None of the mentioned	B
29	Select true about artifacts (A) An artifact has a spatio temporal location (B) An Artifact consider as a physical entity (C) Both a and b (D) only b (E) None of these	C
30	Select the ways in which artifacts can be deployed (A) Artifact symbol can reside along with node symbol (B) The artifact symbol can show outside the node but be linked to it by a dependency arrow from the artifact (C) We can list the Artifact name inside the node symbol (D) All of the above (E) None of these	B
31	Select which one is true? (A) A logical architecture is the understanding of effects like code and data files occupy and running on computational assets (B) A architecture of physical is the arrangement of a product's main element (C) A logical structure allow many elements to interact with each other (D) both a and b (E) None of the mentioned	E
32	Select which are the common notations for deployment diagrams (A) Components (B) Stereotypes (C) Nodes and Artifacts (D) Both a and c (E) None of the above	C
33	Select the nodes used in the deployment diagram. (A) Device and Execution Environment (B) Execution Environment (C) Artifact (D) Device (E) Both a and c	A
34	Choose the way to show nodes in a deployment diagram? (A) The name may be left off, specify an unnamed instance of the type (B) Nodes instances are highlighted identifiers of the form name: type (C) The type may be left off, specify a named instance along with an unspecified type (D) Both a and b	E

	(E) All of these	
35	Select the diagram that is used to model the vocabulary of a system. (A). Object Diagram (B). Activity Diagram (C). Both a and b (D). Interaction Diagram (E). Class diagram	E
36	Select which one is model static data structures. (A). Object diagrams (B). Class diagrams (C). Activity diagrams (D). Interaction diagrams (E). All of the above	B
37	Select the engineering From the following _____ that is theoretically feasible but programmatically o restricted value. (A). class diagram (B). activity diagram (C). object diagram (D). interaction diagram (E). Both a and c	C
38	Select where the class diagrams are not convenient (A). simple interactions model (B). the vocabulary of a system model (C). simple collaborations model (D). logical database schema model (E). All of the above	C
39	Select from the following which is used to show one static frame in the dynamic storyboard. (A). Class diagram (B). Activity diagram (C). Object diagram (D). Interaction diagram	C
40	Select the diagrams that are used to explain data structures, and the static snapshots parts of the things place in the class diagrams. (A). use case (B). Collaboration (C). Object (D). Sequence (E). None of these	C
41	Select the view which is shown by object Object diagram. (A). logical (B). dynamic (C). static (D). process (E). All of these	C

42	Select from the following _____ has to be reverse-engineered. (A). visibility (B). relationship (C). target (D). constraints (E). All of these	C
43	_____select from the following in which engineering and reverse engineering can be applicable (A). tagged values (B). stereotypes (C). class diagram (D). adornments (E). Both a and b	C
44	Which one is used to display a set of objects and their relationships? (A). Object diagram (B). Class diagram (C). Use case diagram (D). Activity diagram (E). All of the above	A
45	Select the structure that is model by the Objects diagram (A). object (B). class (C). Use Case (D). activity (E). Both A and B	A
46	Use case description consists of the following... (A) Actors (B) Number and Use case name (C) Need and stakeholder (D) Both a and b (E) All of the above	E
47	Select the true statement from the following. (A) The first condition is has guaranteed to be true if the activity finishes (B) The next or post-condition is guaranteed to be true if the activity begins (C) Trigger is an event that is used to give a start to a use case to begin. (D) Both a and b	C
48	Select the true statement for the use case description format. (A) Underline text indicates to another use case (B) Extensions section utilize a complex numbering scheme (C) Indentation is used in a line to bring extensions easy to read (D) Both a and b (E) All of the above	E
49	Select the interaction that the use case description has. (A) Product and Actor (B) Use case (C) Actor	A

	(D) Product	
50	<p>Select the methods used by the use case to write a description.</p> <p>(A) Actors in a use case are mostly stakeholders</p> <p>(B) Preconditions always be true in advance statement start</p> <p>(C) Requires a list should be checked when writing each use case</p> <p>(D) Both A and C</p> <p>(E) All of the mentioned</p>	E
51	<p>Select the steps that are needed in use case-driven iterative development?</p> <p>(A) At each loop step, one or many use cases are chosen for execution</p> <p>(B) Iteration must be followed till the system is properly ended</p> <p>(C) Iterative development formed system work gradually through analysis, design, coding, testing, and evaluation</p> <p>(D) Both a and b</p> <p>(E) All of these</p>	E
52	<p>Select the true in context to extensions.</p> <p>(A) The flow specifies the extensions</p> <p>(B) The alternatives are known as an extension because they extend the activity flow in various direction through the branch point</p> <p>(C) Both a and b</p> <p>(D) All of the above</p> <p>(E) None of these</p>	D
53	<p>Select from the following which is included by the Use case Description Heuristics.</p> <p>(A) Fill up in the use case template from top to bottom</p> <p>(B) put down easy declarative sentences in the active voice</p> <p>(C) Keep away from the sequence of pace through the actors and product</p> <p>(D) Both A and C</p> <p>(E) All of the above</p>	E
54	<p>Select the true statement from the following statements;</p> <p>(A) Relationship help by a product are cataloged in a use case description</p> <p>(B) Interconnection are purified in the use case diagram</p> <p>(C) Both a and b</p> <p>(D) All of the above</p> <p>(E) None of These</p>	D
55	<p>Which of the following identify high-level services provided by the system.</p> <p>a. Classes</p> <p>b. Activities</p> <p>c. Use Cases</p> <p>d. Components</p>	C
56	<p>Which of the following shape connects the initiating actor to the use case (ending at the use case).</p> <p>a. Arrow</p> <p>b. Line</p> <p>c. Arc</p> <p>d. Scribble</p>	A

57	<p>Animation of a model against the execution of a deployed system is an example of which kind of engineering?</p> <p>a. business engineering b. forward engineering c. reverse engineering d. temporal engineering</p>	C
58	<p>Forward Engineering is possible for an Activity Diagram mainly when the context of the diagram is?</p> <p>a. an operation b. a workflow c. a class d. a use case</p>	A
59	<p>Use case scenario is a specific sequence of which of the followings?</p> <p>a. relationships b. objects c. classes d. actions</p>	D
60	<p>If the testing prior to coding is 50% effective, then the testing after coding is</p> <p>A) 75% effective B) 80% effective C) 100% effective D) No change</p>	B
61	<p>We can graphically represent the scenario of a use case with the help of which kind of UML diagram?</p> <p>a. deployment diagram b. sequence diagram c. use case diagram d. interaction diagram</p>	B
62	<p>Uses cases are represented as which of the following shape within the system rectangle.</p> <p>a. ellipses b. circles c. rhombus d. rectangle</p>	A
63	<p>Suppose the history of a software is you find 50 errors in module X, 12 in module Y and 3 in module Z. Then the tester should start testing from</p> <p>A) Module X B) Module Y C) Module Z D) Any Module of his/her choice</p>	A
64	<p>The behavior of a system can be modeled with the help of which kind of UML diagrams?</p> <p>a. class diagram b. activity diagram c. use case diagram d. interaction diagram</p>	B

65	Select the best diagram to model business workflows? a. Deployment diagram b. Activity diagram c. Use Case diagram d. Interaction diagram	B
66	_____ can help identify risk areas and help focus on quality improvement. A) Risk Analysis B) Reliability Analysis C) Overall Defect Analysis D) Coverage Analysis	C
67	Abstraction has _____ types. a) 1 b) 2 c) 3 d) 4	D
68	To hide the internal implementation of an object we use ... a) inheritance b) encapsulation c) polymorphism d) none of these	B
69	The vertical dimension of a sequence diagram shows a) abstract b) line c) time d) messages	C
70	CRC approach and noun phrase approach are used to identify ... a) classes b) collaborators c) use cases d) object	A
71	Abstraction provide an operation named as ... a) encapsulation	B

	b) call back c) turndown d) inheritance	
72	If there are n variables in a module, then the number of test cases that can be generated with boundary value checking method is A) $2n + 1$ B) $4n + 1$ C) $2n$ D) $4n$	B
73	To distinguish between active and non-active object which property is applied? a) abstraction b) polymorphism c) concurrency d) aggregation	B
74	The time oriented diagram include ... a) sequence b) classes c) activity d) none of these	A
75	A node with more than one arrow entering in control flow graph is called A) Decision node B) Junction node C) Regions D) Compute node	B
76	if d is the number of choice points in the program, then the cyclomatic number is given by A) $2d + 1$ B) $d + 1$ C) $2d - 1$ D) $2d$	B
77	The maximum value of cyclomatic number for the system to be stable is A) 10 B) 5 C) 12 D) 8	A

78	<p>Aggregation is ...</p> <ul style="list-style-type: none"> a) set of relationship b) composed of relationship c) part of relationship d) all of these 	B
79	<p>Cohesion and coupling are represented by using ...</p> <ul style="list-style-type: none"> a) structure part b) structure effect c) dependence matrix d) all of these 	C
80	<p>Refinement is a process of</p> <ul style="list-style-type: none"> a) inheritance b) colaboration c) elaboration d) polymorphism 	C
81	<p>SMI stands for</p> <ul style="list-style-type: none"> a) software maturity index b) system maturity information c) software model index c) none of these 	A
82	<p>Group of functionally related objects is ...</p> <ul style="list-style-type: none"> a) concatenation b) cohesion c) coupling d) all of these 	B
83	<p>in a sequence diagram, the _____ indicates when an object sends or receives a message. (A)command line</p>	C

	(B)focus (C)request link (D)lifeline	
84	Use case descriptions consist of interaction_____? a) Use case b) product c) Actor d) Product & Actor	D
85	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	C
86	What are the types of prototypes? a) Horizontal prototypes b) Vertical Prototypes c) All of the mentioned d) None of the mentioned	C
87	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	A
88	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	B
89	Which of the following views represents the interaction of the user with the software but tells nothing about the internal working of the software? a. Use case diagram b. Activity diagram c. Class diagram d. All of the above	D
90	What are the notations for the Use case Diagrams? a) Use case b) Actor c) Prototype d) Use case and Actor	D
91	Which among the following can be heuristic for Use case diagram? a) The product can be made actor b) Never name actors with noun phrases	C

	c) Name Use cases with verb phrases d) All of the mentioned	
92	Which of the following statements is true? i. There are 5 views that are represented through the Unified Modelling Language (UML). ii. These 5 views in UML are represented through 9 UML diagrams. a. Only i is true b. Only ii is true c. Both i and ii are true d. None of them is true	C
93	UML diagram that shows the interaction between users and system, is known as A. Activity diagram B. E-R diagram C. Use case diagram D. Class diagram	C
94	UML diagram that specifies sequences/ steps of operations to be performed A. Activity diagram B. Use case diagram C. Class diagram D. E-R case diagram	B
95	A UML diagram that facilitates requirements gathering and interacts between system and external users, is called as A. Flowchart diagram B. Sequence diagram C. Use case diagram D. Data flow diagram	C
96	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	B
97	Which of the following UML diagrams represent the structural View of the software? A) Class diagram B) Object diagram C) Both a. and b. D) None of the above	C
98	Which of the following is not a UML diagram? A) Class diagram	C

	B) Object Diagram C) Interface diagram D) Use case model	
99	Which of the following statements is true? i. There are 5 views that are represented through the Unified Modelling Language (UML). ii. These 5 views in UML are represented through 9 UML diagrams. a. Only i is true b. Only ii is true c. Both i and ii are true d. None of them is true	C
100	Which of the following views represents the interaction of the user with the software but tells nothing about the internal working of the software? A) Use case diagram B) Activity diagram C) Class diagram D) All of the above	A