

CS-504 Final Term Exams Preparation Virtual University

Sr	Questions	Answers Choice
1	A poorly designed interface can cause a user to make catastrophic errors is one of the motivations for GUI.	A. True B. False C. Not Sure
2	cohesion is about making sure each component does----- thing and does it well	A. Three B. infinite C. two D. one
3	Every view is potentially Hierarchical in this regard which of the view are Hierarchical ?	A. Functional View B. Development View C. Concurrency view D. all of given
4	The code becomes self explanatory with the help of proper use of parentheses. Select the right one.	A. leapYear = year % 4 == 0 && year % 100 != 0 year % 400 == 0 ; B. leapYear = ((year % 4 == 0) && (year % 100 != 0) (year % 400 == 0)); C. leapYear = ((year % 4 == 0) && (year % 100 != 0)) (year % 400 == 0); D. leapYear = (year % 4 == 0) && (year % 100 != 0) (year % 400 == 0); E. none of the given options
5	Collaboration diagrams have basically two types of components: objects and -----	A. messages B. methods C. classes D. non of the above
6	the development view describes the -----organization of the software in its development environment,	A. Static B. Dynamic C. Still D. Static & Dynamic
7	CRUD include following:-	A. Create B. Update C. Read D. All of above
8	The first "bug" was actually a moth, which flew through an open window and into one of the Mark -----'s relays.	A. II B. I C. III D. IV
9	MVC pattern was based on the ----- pattern.	A. Observer B. Structural C. Behavioral D. Non of them
10	Bugs that won't (almost random) are the ----- to deal with.	A. stand still B. Dynamic C. Static D. None of above
11	Which test criteria should be applied in a phase of testing?	A. functional validity B. interface integrity C. correctness D. all of the given
12	The two main documents produced during this phase are Requirement Statement and Requirement Specification. They are also called Requirement Definition and -----	A. Functional Specification B. Mathematical specification C. System Specification D. None of the given
13	Two tests are considered to be equivalent if it is believed that: if one discovers a defect, the other probably will too, and if one does not discover a defect, -----.	A. the other probably may B. non of them C. the other probably won't either D. the other probably will
14	By collecting software metrics and making use of existing software reliability models it is possible to develop meaningful guidelines for determining when software testing is done.	A. True B. False

		C. None of them
15	Insufficient user involvement leads to ----- products.	A. unacceptable B. ambiguous C. dissatisfaction of customer to D. non of the above
16	Holistic medicine, concerns itself with the state of the body as a whole, not the ----- that is currently attacking it.	A. reason B. disease C. source D. non of the given
17	Most software continues to be custom built because	A. Software is easier to build without using someone else's components B. Off the shelf software components are not commonly available C. Off the shelf software components are not commonly available D. Reusable components are too expensive to use
18	In the N-Tire Architecture the idea is to enhance scalability and ----- by distributing both the data and the application using multiple server machines.	A. Performance B. Efficiency C. Usability D. non of the all
19	Software Bugs have multiple names, Which one of the belw is not the name of Software Bugs -----	A. Bugs B. Defects C. Errors D. Mistakes
20	Idea behind zero install architecture is to develop a system where no installation on the ----- is needed.	A. Client side B. Server Side C. Client & Server Side D. Non of the all
21	A change becomes ----- because of close presence of data and functions	A. Localized B. Private C. Global D. Accessible
22	Object-oriented domain analysis is concerned with the identification and specification of reusable capabilities within an application domain.	A. True B. False C. None of above
23	Three tier architecture contains ----- layers	A. Presentation B. Application C. Database D. All of the above
24	The scope description establishes the -----between the system we are developing and everything else in the universe	A. Boundary B. Balance C. Constraint D. None of the given
25	Test cases should be designed long before testing begins.	A. True B. False C. None of them
26	Control flow diagrams are	A. needed to model event driven systems. B. required for all systems C. used in place of data flow diagrams D. useful for modeling user interfaces
27	Performance & Usability are examples of ----- requirements	A. Business B. Functionl C. Non-Functionl D. User
28	Following are some statements associated with data flow diagrams. Identify the correct statement from among them.	A. DFDs are used to model complex interfaces. B. DFDs are used to represent only functional processing, data stores and data movements between functions C. DFDs depict only processes which can be decomposed D. DFDs do not show external data sources and external data sinks
29	Class variables should be declared public. This concept violates which of the following.	A. Information hiding B. Encapsulation C. Information hiding and Encapsulation D. None of given

A. Model View Controller

30	MVC stands for -----	A. Modern View Controller B. Modern View Center C. Model View Center D. Modern View Controller
31	Patterns are devices that allow programs to share knowledge about their -----.	A. Design B. Code C. Analysis D. Non of the all
32	Events occur whenever a(n)_____	A. actor and the OO system exchange information B. class operation is invoked C. messages are passed between objects D. all of the given
33	The language does not specify whether ----- is signed or unsigned.	A. char B. integer C. double D. constant
34	The states shown in a state transition diagram do not necessarily correspond to the processes shown in a control flow diagram for the same system.	A. True B. False C. None of them
35	If you are initializing a variable at the time of declaration, do not declare another ----- in the same statement.	A. variable B. object C. Class D. None of given
36	A ----- is a code that explains itself without the need of comments and extraneous documentation	A. Self documenting code B. Self telling Code C. Self Documenting Design D. None of the given
37	A complex System evolves from a	A. smaller system B. medium system C. bigger system D. non of the given
38	First hand accounts of the problem are always useful in Debugging process.	A. True B. False C. None of them
39	Identifying Whole-Part structures (Aggregations) means what are my -----	A. Components B. Structures C. Objects D. Classes
40	A system ----- is the period in which tremendous pressure is on developers end to fix the problem and make the system running again	A. Uptime B. Downtime C. Currentime D. futuretime
41	In the debugging process a stack trace is a very useful tool.	A. True B. False C. None of above
42	Flow Charts represents	A. sequence Activity B. random activity C. parallel activity D. non of the above
43	Like analysis models, many different kinds of -----models are developed	A. Architectural B. System C. Design D. Logical
44	Rooko mut jane do depicts one of risks associated with inadequate requiriements gathering, the name of that risk is -----	A. Ambiguous requirements B. Creeping Requirements C. Minimal Specification D. Non of the above
45	Data design actually begins during the creation of the analysis model, not the architectural model.	A. True B. False C. None of above
46	In software quality assurance work there is no difference between software verification and software validation	A. True B. False C. None of above
47	A ----- is a code that explains itself without the need of comments and extraneous documentation	A. Self documenting code B. Self telling Code C. Self Documenting Design D. None of the given

A. are related to one another.
B. changeas each moves through the

48	Information flow represents the manner in which data and control	<p>system</p> <p>C. will be implemented in the final design.</p> <p>D. none of the given</p>
49	In sequence Diagrams objects are organized in a -----line	<p>A. horizontal</p> <p>B. vertical</p> <p>C. horizontal and vertical</p> <p>D. non of the above</p>
50	Unit testing is roughly equivalent to ----- testing for hardware in which each chip is tested thoroughly after manufacturing	<p>A. Circuit level</p> <p>B. Chip Level</p> <p>C. component level</p> <p>D. system level</p>
51	A number of invisible execution paths can exist in simple code in a language that allows -----	<p>A. exceptions</p> <p>B. defects</p> <p>C. errors</p> <p>D. all of them</p>
52	Quantitative methods for assessing the quality of proposed architectural designs are readily available	<p>A. True</p> <p>B. False</p> <p>C. None of them</p>
53	object-oriented framework that is a set of cooperative classes that make up reusable ----- of a system	<p>A. Code</p> <p>B. Design</p> <p>C. Analysis</p> <p>D. non of the all</p>
54	The hardest single part of building a software system is deciding precisely ----- to build.	<p>A. What</p> <p>B. How</p> <p>C. When</p> <p>D. Why</p>
55	A ----- is a code that explains itself without the need of comments and extraneous documentation	<p>A. Self documenting code</p> <p>B. Self telling Code</p> <p>C. Self Documenting Design</p> <p>D. Non of the them</p>
56	Which of the following is a fact finding method?	<p>A. Site visits</p> <p>B. Prototyping</p> <p>C. Study of similar systems</p> <p>D. All of given</p>
57	Top-down integration testing has as it's major advantage(s) that	<p>A. low level modules never need testing</p> <p>B. major decision points are tested early</p> <p>C. no stubs need to be written</p> <p>D. none of the given</p>
58	Floating point constants should always be written with decimal point and at least	<p>A. one decimal</p> <p>B. two decimal</p> <p>C. three decimal</p> <p>D. none of the given</p>
59	When planning for performance, one should always remember the ----- rule	<p>A. 80/20</p> <p>B. 20/80</p> <p>C. 80/22</p> <p>D. 80/90</p>
60	Configuration reviews are not needed if regression testing has been rigorously applied during software integration.	<p>A. True</p> <p>B. False</p> <p>C. None of them</p>
61	A ----- is a code that explains itself without the need of comments and extraneous documentation	<p>A. Self documenting code</p> <p>B. Self telling Code</p> <p>C. Self Documenting Design</p> <p>D. Non of the above</p>
62	It was lady named ----- who actually coin the term "bug" for the fiest time.	<p>A. Elisay Chistopher</p> <p>B. Admiral Grace Hopper</p> <p>C. Ana Nicholson</p> <p>D. Jane Hopper</p>
63	The goal of testing is to expose ----- defects in a software system before it is put to use.	<p>A. Latent</p> <p>B. already present</p> <p>C. current</p> <p>D. runtime</p>
64	Stakeholders are different people who would be interested in the -----	<p>A. Software</p> <p>B. System</p> <p>C. Product</p> <p>D. All of the given</p>
65	A -----	<p>A. to document all conditional statements</p> <p>B. to guide the development of the proiect management plan</p>

65	A decision table should be used _____	C. only when building an expert system D. when a complex set of conditions and actions appears in a component
66	Type conversions must always be done -----	A. Explicitly B. implicitly C. simultaneously D. non of them
67	A necessary supplement to transform or transaction mapping needed to create a complete architectural design is _____.	A. entity relationship diagrams B. the data dictionary C. processing narratives for each module D. test cases for each module
68	In refining the DFD during transaction mapping it is unnecessary to create a PSPEC since only the CSPEC is relevant to this type of architectural style.	A. True B. False C. None of them
69	A cohesion class is one which emphasize -----unit of----	A. Single and multiple. B. Multiple and functionality C. Functional and single D. Single and functional
70	Software should be tested more like hardware, with Built-in self testing: such that each unit can be tested -----	A. freely B. independently C. dependtly D. completely
71	The construction is used to avoid ----- errors.	A. compilation B. runtime C. design time D. non of them
72	The cyclomatic complexity metric provides the designer with information regarding the number of	A. Cycles in the program B. Errors in the program C. Independent logic paths in the program D. Statements in the program
73	Classes should be declared in individual header files with the file name matching the ----- - name.	A. class B. method C. object D. non of the all
74	----- being the first pure Object Oriented language in which observer pattern was used in implementing its Model View Controller	A. Smalltalk B. PASCAL C. JAVA D. C++
75	Which of the items listed below is not one of the software engineering layers?	A. Process B. Manufacturing C. Methods D. Tools
76	Quantitative methods for assessing the quality of proposed architectural designs are readily available.	A. True B. False C. None of them
77	Software architecture elements are further divided into categories which in total are -----	A. 2 B. 3 C. 4 D. 5
78	What is the most crucial non-functional requirement of a system to control radiation dosages that are emitted as treatment for cancer?	A. Security B. Reliability C. Usability D. Accuracy
79	what is the most important software quality of a web based transaction	A. efficiency B. Modularity C. usability D. Security
80	Software architecture elements are further divided into categories which in total are ----- .	A. 2 B. 3 C. 4 D. 5
81	In refining the DFD during transaction mapping it is unnecessary to create a PSPEC since only the CSPEC is relevant to this type of architectural style.	A. True B. False C. None of them
82	Which piece of code is self-documented?	A. if (x==0) // this is the case when we are allocating a new number B. if (AllocFlag == 0) C. if (AllocFlag == NEW_NUMBER) D. None of the given

83	Which of the followings is not a testing type?	A. Subsystem testing B. Alpha testing C. Beta Testing D. Gamma Testing
84	Which of the following is a/are tool used in requirement analysis?	A. Flow Graphs B. Data Flow Diagrams (not sure) C. Activity Networks D. Module Dependency Diagrams
85	Which of the following is a/are tool used in requirement analysis?	A. Flow Graphs B. Data Flow Diagrams C. Activity Networks D. Module Dependency Diagrams
86	Bugs Finding is done by which of the teams in Software Development lifecycle?	A. Development Team B. Testing Team C. Analysis & Design Team D. Process Team
87	Interaction Diagrams depict the ----- Behavior of the system	A. Static B. Dynamic C. Active D. Non of the above
88	is Authorized, assess Performance, get item for UPC, get cashier for number, are the examples of	A. Services B. Attributes C. Links D. Non of the above
89	Symptoms of logical errors are -----	A. code is misbehaving B. The program doesn't crash, but the flow of program takes odd branches through the code. C. Results are the opposite D. Output looks strange E. all of the given
90	----- are two important tools that can help in managing and mastering the complexity of a program.	A. abstraction and encapsulation B. abstraction and Inheritance C. abstraction and Polymorphism D. None of given
91	Dynamic components of an OOA model are -----	A. not reusable B. sensitive to timing and event processing C. stable throughout the operational life of an application D. structural in nature
92	Software crisis came in 1960 what is the main reason to for the crisis	A. Software development technique B. Hardware C. Software D. Non of above
93	Which of the following is an/are advantage(s) of object oriented analysis & design over structured system analysis & design?	A. Ease of modeling real world events B. Reusability C. Maintainability D. All of given
94	The Data dictionary contain description of each software	A. Configuration item. B. Data object C. Diagram D. Notation
95	System Architecture is important to consider because it helps in making -----	A. Mutual communication B. Early design decisions. C. Reusable abstraction of a system. D. All of the above
96	A better Design has an objective achieve	A. High Cohesion B. Low Cohesion C. Low Coupling D. High cohesion and Low coupling
97	Source files can have the extension -----	A. c++ B. .C C. .cpp D. all of the given
98	1. Variables should be initialized where they are declared and they should be declared in the ----- scope possible.	A. Smallest B. largest C. medium D. None of the given
99	Software architecture is "the ----- of the components of a program/system, their interrelationships, and principles and guidelines governing their design and evolution over	A. combination B. collection

99	interrelationships, and principles and guidelines governing their design and evolution over time."	C. structure D. unification
100	In the debugging process a stack trace is a very useful tool	A. True B. False C. None of them
101	What makes requirements elicitation difficult?	A. bounding scope B. understanding user needs C. requirements volatility D. all of the above
102 is a diagramming technique used to identify the types of objects in the system and the static relationships that exist among them?	A. Class Diagram B. Document flow diagrams C. Data flow diagrams D. Flow charts
103	Bugs that won't "stand still" (almost random) are the ----- to deal with.	A. least difficult B. most difficult C. very easy D. easy
104	State Transition Diagram is helpful in determining	A. Business Understanding B. Process Flow C. Data store D. Non of the given
105	Coupling is a measure of -----of a module or component.	A. Independent B. Closeness C. Dependent D. All of the given
106	By following modern system engineering practices simulation of reactive systems is no longer necessary	A. True B. False C. Not Sure
107	Software Bugs have multiple names, Which one of the below is not the name of Software Bugs -----	A. Bugs B. Defects C. Errors D. Mistakes
108	Which one is not a type of messages which Sequence Diagrams Depict	A. Synchronous B. Asynchronous C. Create D. Update
109	In transaction mapping the first level factoring results in the_____	A. creation of a CFD B. derivation of the control hierarchy C. distribution of worker modules D. refinement of the module view
110	The state transition diagram	A. depicts relationships between data objects B. depicts functions that transform the data flow C. indicates how data are transformed by the system D. indicates system reactions to external events
111	In Sequence Diagrams events are organized in a-----time line	A. Vertical B. Horizontal C. Vertical & Horizontal D. Non of the above
112	Which of these are objectives for software testing?	A. determine the productivity of programmers B. eliminate the need for future program maintenance C. eliminate every error prior to release D. uncover software errors
113	A public Interface provides a way for with other Classes.	A. Communication B. Accessibility C. Reaching D. All of the above
114	In sequence Diagram events are organized in a----time line	A. vertical B. horizontal C. Vertical and Horizontal D. Non of above
115	----- gives OO the ability to handle essential	A. Decentralization B. Centralization C. Decentralization and Centralization D. Non of above

116	Software Maintenance phase involves	A. Debugging B. Adding new features C. making changes D. all of the given
117	which one is not the type of message which sequence diagram depicts	A. Synchronous B. asynchronous C. asynchronous D. Update
118	Which of the following interaction styles best suit the design of an interface for visually impaired users?	A. direct manipulation B. direct manipulation C. natural language D. command line
119	1. Variables should be initialized where they are declared and they should be declared in the ----- scope possible	A. Smallest B. largest C. medium D. None of the given
120	Identifying System Features include -----	A. log important information B. conduct business C. analyze business results D. all of the above
121	the development view describes the -----organization of the software in its development environment	A. Static B. Dynamic C. Still D. Static & Dynamic
122	If a problem is identified and fixed at a -----stage in the software development process, it will cost much more than if it was fixed at and -----stage.	A. earlier & later B. after & before C. none of the above D. later and earlier
123	Comparison testing is typically done to test two competing products as part of customer market analysis prior to product release.	A. True B. False C. None of them
124	Symptoms of logical errors are -----	A. code is misbehaving B. The program doesn't crash, but takes odd branches through the code C. Results are the opposite D. Output looks strange E. all of the given
125	The use of do while loops should be -----	A. Avoided B. encouraged C. practiced D. none of them
126	Real-time applications add a new and potentially difficult element to the testing mix	A. performance B. reliability C. security D. time
127	In the N-Tier Architecture the idea is to enhance scalability and ----- by distributing both the data and the application using multiple server machines.	A. Performance B. Efficiency C. Usability D. none of the all
128	In order to make a program self documented a number of attributes required. Which one is the attribute/s of self documented program	A. All of the given choices B. Size of each function C. Choice of variable D. Modularity
129	Requirement engineering mainly deals with the ----- of the system	A. definition phase B. development phase C. maintenance D. none of the above
130	An state transition can only occur when triggered by a(n)_____	A. actor B. collaboration attempt C. event D. none of the given
131	Data Store notation in DFDs presents.	A. Data input B. Data output C. Data input and Data output D. none of the given
132	Variable names must be in mixed case starting with upper case.	A. True B. False C. None of them
133	central role of the software requirement Document in entire development process is related to	A. Project planning B. Project tracing C. Change control D. All of above

134	Which of these characteristics are true of a data warehouse, but not a typical database?	A. business level orientation and large size B. currency and correctness of information C. integration and non volatility D. all of the given
135	Project ----- defines the concept and range of the proposed solution, and limitations identify certain capabilities that the product will not include	A. Scope B. Agreement C. Plan D. None of the given
136	Flow charts represent.	A. Sequence B. Random C. Parallel D. None of the above
137	Windows mobile is a popular mobile operating system which seen commonly on PDAs. Which of the following category pair(s) best describe(s) it?	A. Application software, embedded software B. system software, web-based software C. application software, scientific software D. system software, embedded software
138	During Requirement Engineering process which of the following is/are document(s) used for fact finding?	A. Company's employee list B. Samples of the company databases C. The company's mission statement and plan D. All of given
139	The first bug was actually a moth, which flew through an open window and into one of the Mark ----- 's relays.	A. II B. I C. III D. IV
140	Project ----- defines the concept and range of the proposed solution, and limitations identify certain capabilities that the product will not include	A. Scope B. Agreement C. Plan D. None of the given
141	Which of these people would not be likely to part of the FAST team?	A. hardware and software engineers B. manufacturing representative C. marketing representatives D. senior financial officers
142	One of the Guidelines to avoid common mistakes is to never use ----- except for declaration	A. , B. ; C. = D.
143	Software architecture defines the high level structure of the software by putting together a number of architectural ----- in an organized fashion.	A. Elements B. parts C. components D. non of the all
144	The two main documents produced during this phase are Requirement Statement and Requirement pecification. They are also called Requirement Definition and -----	A. Functional Specification B. Mathematical specification C. System Specification D. all of the above
145	In Sequence Diagrams the time required by the receiver object to process the message is denoted by an--- ----	A. Activation Box B. Simple Box C. Arrow D. Non of the above
146	Static analyzers are software tools for ----- processing.	A. analysis text B. source text C. design text D. non of the given
147	One of the causes of the portability issues is the order of ----- varies from one implementation to other.	A. Evaluation B. numbers C. variables D. symbols
148	Cohesion is about making sure each component does _____ thing and does it well.	A. three B. two C. infinite D. one
149	Fourth generation techniques	A. Allow software to be developed without any testing. B. Eliminate the need for costly requirements gathering activities. C. Can reduce the time required to

		develop software. D. Are best used by non-programmers to build small systems.
150	The Object Oriented approach	A. improves the reusability of codes. B. makes objects less independent. C. increases testing time. D. complicates mapping of a system model to an implementation model.
151	Which view should be consider first during software requirements analysis?	A. actor view B. data view C. essential view D. implementation view
152	Interaction Diagrams depict the ----- Behavior of the system	A. Static B. Dynamic C. Active D. Non of the above
153	It is not possible to use ordinary data flow diagrams to model the functional requirements of real-time systems	A. True B. False C. Not Sure
154	Which one is not the purpose of Interaction Diagrams ?	A. Model interactions between objects B. Assist in understanding how a system (a use case) actually works C. Identify responsibilities/operations and assign them to classes D. Identify responsibilities/operations and assign them to classes
155	Configuration reviews are not needed if regression testing has been rigorously applied during software integration.	A. True B. False C. None of them
156	The process of defining attributes is called	A. What I know B. Who know me C. Whom I know D. Non of the above
157	Establishing responsibilities for objects includes	A. Generalization Relationships B. Specialization Relationships C. all of the above D. identifying Association relationships
158	The order in which bytes of one word are stored is ----- dependent	A. Hardware B. Software C. language D. system
159	40-60% of all defects found in software projects can be traced back to poor -----	A. Requirements B. Design C. Coding D. Testing
160	Establishing responsibilities for objects includes	A. Generalization Relationship B. Specialization Relationships C. all of the above D. identifying Association relationships
161	Bugs Fixing is done by which of the teams in Software Development life cycle?	A. Development Team B. Testing Team C. Analysis & Design Team D. Process Team
162	Software Bugs have multiple names, which one of the below is not the name of Software Bugs -----	A. Bugs B. Defects C. Errors D. Mistakes
163	Types that are -----to one file only can be declared inside that file.	A. Local B. Global C. Private D. General
164	What would be the most suitable architecture to develop a commercial web page to do business transactions over the internet?	A. Client server model B. Island model C. RAD model D. Repository model
165	Be very careful when you use functions with side effects – functions that change the values of the -----	A. parameters B. variables C. constants D. None of given

A. Data Store

166	DFD Notation contains	B. External Agents C. Processes D. All of the above
167	A decision table should be used_____	A. To document all conditional statements B. To guide the development of the project management plan C. Only when building an expert system D. when a complex set of conditions and actions appears in a component
168	In the architecture trade-off analysis method the architectural style should be described using the	A. module view B. process view C. all of the given D. data flow view
169	According to a survey, when a software application is in the maintenance phase, ----- of its lifecycle cost is attributed towards the defects which are found in the software application after installation	A. 20 % B. 25 % C. 30 % D. 35 %
170	The three basic principles that guide maintainability are: simplicity, clarity, and_____.	A. Generality B. Reliability C. All of the given choices D. None of the Given choices
171	Which of the following is not a characteristic of software?	A. Software is tangible B. A change to a piece of code may implicitly affect the functions of the rest of the code. C. Software is configurable. D. Software does not wear and tear
172	In the context of requirements analysis, partitioning results in the elaboration of data, function, or behavior.	A. True B. False C. None of them
173	The criteria used to assess the quality of an architectural design should be based on system	A. accessibility and reliability B. data and control C. functionality D. implementation details
174	Which one of the given below is not a symptom of memory overrun?	A. Program crashes quite regularly after a given routine is called, that routine should be examined for a possible overrun condition B. If the routine in question does not appear to have any such problem the most likely cause is that another routine, called in the prior sequence, has already trashed variables or memory blocks C. Checking the trace log of the called routines leading up to one with the problem will often show up the error D. Compiler warnings
175	Association is a type of relation	A. Weak B. Stronger C. Normal D. None of above
176	Which of the following is not an objective for building an analysis model?	A. define set of software requirements B. describe customer requirements C. develop an abbreviated solution for the problem D. establish basis for software design
177	All comments should be written in-----	A. English B. French C. C++ D. JAVA
178	Verification and validation are the processes in which we check a product against its ----- and the ---- ----- of the users who will be using it	A. specifications, expectations B. statements, expectations C. specifications , arguments D. statements, arguments
179	The scope description establishes the ----- between the system we are developing and everything else in the universe. Project planning	A. Boundary B. Boundary C. limitation D. None of above

A. unit testing, beta testing

180	Which of the following testing involve purely black box testing?	<p>A. unit testing, beta testing</p> <p>B. acceptance testing, interface testing</p> <p>C. beta testing, acceptance testing</p> <p>D. integration testing, interface testing</p>
181	Graph-based testing methods can only be used for object-oriented systems	<p>A. True</p> <p>B. False</p> <p>C. None of above</p>
182	Consider the following comment. "The software which I bought won't run on windows and when it runs I can't use WORD at the same time". Which of the following do you think are violated by the newly bought software?	<p>A. dependability, interchangeability</p> <p>B. platform independence, interoperability</p> <p>C. reliability, dependency</p> <p>D. interoperability, reliability</p>
183	Bugs that won't "-----" (almost random) are the most difficult to deal with.	<p>A. stand still</p> <p>B. dynamic</p> <p>C. running</p> <p>D. stand tall</p>
184	Asynchronous messages are denoted	<p>A. Half Arrow</p> <p>B. Simple Line</p> <p>C. Full Arrow</p> <p>D. Non of above</p>
185	Windows mobile is a popular mobile operating system which seen commonly on PDAs. Which of the following category pair(s) best describe(s) it?	<p>A. application software, embedded software</p> <p>B. system software, web-based software</p> <p>C. application software, scientific software</p> <p>D. system software, embedded software</p>
186	UML (unified modeling language) analysis modeling focuses on the _____ .	<p>A. behavioral model and environment model</p> <p>B. behavioral model and implementation model</p> <p>C. user model and environmental model</p> <p>D. user model and structural model</p>
187	The first step in any OOA process model is to_____	<p>A. build an object-relationship model</p> <p>B. define collaborations between objects</p> <p>C. elicit customer requirements</p> <p>D. select a representation language</p>
188	Hungarian Notation was first discussed by Charles Simonyi of-----	<p>A. Microsoft</p> <p>B. Oracle</p> <p>C. Apple Macintosh</p> <p>D. Non of the all</p>
189	First hand accounts of the problem are always useful in Debugging process	<p>A. True</p> <p>B. False</p> <p>C. None of them</p>
190	The output of this design process is a description of the	<p>A. Software Architecture</p> <p>B. Software Code</p> <p>C. Software</p> <p>D. Non of the above</p>
191	A process which does not take input is called	<p>A. miracle process</p> <p>B. core process</p> <p>C. secondary process</p> <p>D. all of the above</p>
192	In order to make a code more portable, Instead of using vendor specific language extensions, use ----- - as much as possible	<p>A. STL</p> <p>B. ANSI</p> <p>C. ISO</p> <p>D. CMMI</p>
193	What types of errors are missed by black-box testing and can be uncovered by white-box testing?	<p>A. behavioral errors</p> <p>B. subtle logic errors</p> <p>C. performance errors</p> <p>D. input error</p>
194	What are the three generic phases of software engineering?	<p>A. definition, development, support</p> <p>B. what, how, where</p> <p>C. programming, debugging, maintenance</p> <p>D. analysis, design, testing</p>
195	----- being the first pure Object Oriented language in which observer pattern was used in implementing its Model View Controller.	<p>A. Smalltalk</p> <p>B. PASCAL</p> <p>C. JAVA</p> <p>D. C++</p>

196	Given below are some statements associated with data flow diagrams. Identify the correct statement from among them.	A. Data flow is made use of to model what systems do. B. Flows of data can take place from a process to a sink. C. All processes have to be levelled or decomposed D. Context diagram shows the major system processes
197	----- is a powerful technique that separates error-handling code from normal code.	A. Exception handling B. Code handling C. variable handling D. pointer handling
198	A useful technique for evaluating the overall complexity of a proposed architecture is to look at the component	A. number and size of components B. flow dependencies and sharing dependencies C. size and cost D. none of the given
199	Which of the following are characteristics of testable software?	A. observability B. simplicity C. stability D. all of the given
200	A class is a ----- of objects	A. Template B. Stereotype C. Collection D. Non of the above