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प्रश्नपुस्तिका क्रमांक Question Booklet No.

प्रश्नपुस्तिका सीरीज
Question Booklet So

C

Maximum Marks-100

Series

O.M.R. Serial No.

BCA (Fourth Semester) Examination, July-2022 BCA-403(N)

Software Engineering

Time: 1:30 Hours

जब तक कहा न जाय, इस प्रश्नपुस्तिका को न खोलें

निर्देश: –

- परीक्षार्थी अपने अनुक्रमांक, विषय एवं प्रश्नपुस्तिका की सीरीज का विवरण यथास्थान सही
 सही भरें,
 अन्यथा मृल्यांकन में किसी भी प्रकार की विसंगित की दशा में उसकी जिम्मेदारी स्वयं परीक्षार्थी की होगी।
- 2. इस प्रश्नपुस्तिका में 100 प्रश्न हैं, जिनमें से केवल 75 प्रश्नों के उत्तर परीक्षार्थियों द्वारा दिये जाने है। प्रत्येक प्रश्न के चार वैकल्पिक उत्तर प्रश्न के नीचे दिये गये हैं। इन चारों में से केवल एक ही उत्तर सही है। जिस उत्तर को आप सही या सबसे उचित समझते हैं, अपने उत्तर पत्रक (O.M.R. ANSWER SHEET) में उसके अक्षर वाले वृत्त को काले या नीले बाल प्वांइट पेन से पूरा भर दें। यदि किसी परीक्षार्थी द्वारा किसी प्रश्न का एक से अधिक उत्तर दिया जाता है, तो उसे गलत उत्तर माना जायेगा।

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- 3. प्रत्येक प्रश्न के अंक समान हैं। आप के जितने उत्तर सही होंगे, उन्हीं के अनुसार अंक प्रदान किये जायेंगे।
- 4. सभी उत्तर केवल ओ०एम०आर० उत्तर पत्रक (O.M.R. ANSWER SHEET) पर ही दिये जाने हैं। उत्तर पत्रक में निर्धारित स्थान के अलावा अन्यत्र कहीं पर दिया गया उत्तर मान्य नहीं होगा।
- 5. ओ॰एम॰आर॰ उत्तर पत्रक (O.M.R. ANSWER SHEET) पर कुछ भी लिखने से पूर्व उसमें दिये गये सभी अनुदेशों को सावधानीपूर्वक पढ़ लिया जाय।
- 6. परीक्षा समाप्ति के उपरान्त परीक्षार्थी कक्ष निरीक्षक को अपनी ओ०एम०आर० शीट उपलब्ध कराने के बाद ही परीक्षा कक्ष से प्रस्थान करें।
- 7. निगेटिव मार्किंग नहीं है।

महत्वपूर्ण : -

प्रश्नपुस्तिका खोलने पर प्रथमतः जॉच कर देख लें कि प्रश्नपुस्तिका के सभी पृष्ठ भलीभॉति छपे हुए हैं। यदि प्रश्नपुस्तिका में कोई कमी हो, तो कक्ष निरीक्षक को दिखाकर उसी सीरीज की दूसरी प्रश्नपुस्तिका प्राप्त कर लें।

1.	In OOD, the attributes (data variables and methods are bundled together is called:
	(A) Classes
	(B) Encapsulation
	(C) Inheritance
	(D) Object
2.	Which coupling is also known as Global Coupling?
	(A) Content coupling
	(B) Stamp coupling
	(C) Common coupling
	(D) Data coupling
3.	What is a measure of how well computer system facilities learnings?
	(A) Usability
	(B) Functionality
	(C) Reliability
	(D) None of the above
4.	Level-0 DFD is similar to:
	(A) Use case diagram
	(B) Context diagram
	(C) System diagram
	(D) None of the above

5.	Which testing is the re-execution of some subset of tests that have already been
	conducted to ensure the changes that are not propagated?
	(A) Unit testing
	(B) Integration testing
	(C) Regression testing
	(D) Thread-based testing
6.	Give the advantages of modularization:
	(A) Smaller components are easier to maintain
	(B) Program can be divided based on functional aspects
	(C) Desired level of abstraction can be brought in the program
	(D) None of the above
7.	SRD stands for:
	(A) Software requirements definition
	(B) Software requirements diagram
	(C) Structured requirements diagram
	(D) Structured requirements definition
8.	Alpha and Beta testing are forms of
	(A) Unit testing
	(B) System testing
	(C) Integration testing
	(D) Acceptance testing

9.	If the objects focus on the problem domain then we concerned with
	(A) Object oriented design
	(B) Object Oriented analysis
	(C) Object oriented analysis and design
	(D) None of the above
10.	One of the fault base testing techniques is
	(A) Unit testing
	(B) Mutation testing
	(C) Beta testing
	(D) Stress testing
11.	Aggregation represents
	(A) Is _ a relationship
	(B) Part of relationship
	(C) Composed of relationship
	(D) None of the above
12.	If every requirements stated in the software requirement specification:
	(A) Consistent
	(B) Unambiguous
	(C) Verifiable
	(D) None of the above
13.	Which design identifies the software as a system with many components
	interacting with each other?
	(A) Architectural design
	(B) High-level design
	(C) Detailed design
	(D) Both (B) and (C)

14.	What is the simplest model of software development paradigm?
	(A) Big bang model
	(B) Spiral model
	(C) Waterfall model
	(D) V-Model
15.	Compilers, Editors software come under which type of software?
	(A) Application software
	(B) System software
	(C) Scientific software
	(D) None of the above
16.	In Boehm model, ACT stands for:
	(A) Actual Change Traffic
	(B) Actual Change Time
	(C) Annual Change Traffic
	(D) Annual Change Time
17.	Taute maintenance model has:
	(A) Two phase
	(B) Eight phase
	(C) Six phase
	(D) Ten phase
18.	In which model, fixes are done without detailed analysis of the long term effects?
	(A) Quick-fix model
	(B) Reuse oriented model
	(C) Taute maintenance model
	(D) None of the above
19.	Iterative enhancement model is a:
	(A) Three stage model
	(B) Four stage model
	(C) Two stage model
	(D) Seven stage model

20.	Which one is not a maintenance model:
	(A) CMM
	(B) Quick-fix model
	(C) Iterative enhance model
	(D) Reuse-oriented model
21.	UML is stands for:
	(A) Unified Modeling Language
	(B) Uniform Modeling Language
	(C) Unit Modeling Language
	(D) Universal Modeling Language
22.	Which is not a software characteristic?
	(A) Software is flexible
	(B) Software is not manufactured
	(C) Software does not wear out
	(D) Software is always correct
23.	During software certification, whom to target:
	(A) Process
	(B) People
	(C) Product
	(D) All of the above
24.	Which one is software process certification?
	(A) CISCO certified
	(B) ISO-9000
	(C) Microsoft certified
	(D) Java certified
25.	Patch is known as:
	(A) Routine fixes
	(B) Emergency fixes
	(C) Critical fixes
	(D) None of the above

26.	The maintenance initiated by defects in the software:
	(A) Adaptive maintenance
	(B) Corrective maintenance
	(C) Perfective maintenance
	(D) Preventive maintenance
27.	Which one is not a category of maintenance
	(A) Corrective maintenance
	(B) Adaptive maintenance
	(C) Effective maintenance
	(D) Perfective maintenance
28.	Regression testing is related to:
	(A) Maintenance testing
	(B) Functional testing
	(C) Data flow testing
	(D) Development testing
29.	CASE tools are mainly used while developing which of the following
	methodologies?
	(A) RAD
	(B) JAD
	(C) OO Approach
	(D) All of the above
30.	Which of the following is a drawback of using CASE tool?
	(A) Standardization of notations and diagrams
	(B) Communication between development team member
	(C) Reduction of time and effort
	(D) Costs associated with the use of the tool

31.	8. CASE-generated updated documentation enables easier and more reliable
	identification of software failure causes.
	(A) False
	(B) True
	(C) Ambiguous statement
	(D) None of the above
32.	Logical design errors can be resolved using both classic and real CASE tools:
	(A) True
	(B) False
	(C) Ambiguous statement
	(D) None of the above
33.	What kind of support is provided by the Code Generation CASE tool?
	(A) Cross referencing queries and requirements tracing
	(B) Transformation of design records into application software
	(C) Compiling, interpreting or applying interactive debugging code
	(D) Transformation of design records into application software AND Compiling,
	interpreting or applying interactive debugging code
34.	Which of the following is not a type of CASE tool?
	(A) Lower
	(B) Classic
	(C) Middle
	(D) Real
35.	CASE tools are used only during the software testing phase.
	(A) True
	(B) False
	(C) Ambiguous statement
	(D) None of the above

- 36. What involves preparing software for external release and keeping track of the system versions that have been released for customer use?
 - (A) System building
 - (B) Release management
 - (C) Change management
 - (D) Version management
- 37. The definition and use of configuration management standards is essential for quality certification in:
 - (A) ISO 9000
 - (B) CMM
 - (C) CMMI
 - (D) All of the mentioned
- 38. Which of the following is not a Software Configuration Management Activity?
 - (A) Configuration item identification
 - (B) Release management
 - (C) Risk management
 - (D) Branch management
- 39. Which of the following option is not tracked by configuration management tools?
 - (A) Tracking of change proposals
 - (B) Storing versions of system components
 - (C) Tracking the releases of system versions to customers
 - (D) None of the mentioned
- 40. What complements the formal technical review by assessing a configuration object for characteristics that are generally not considered during review?
 - (A) Software configuration management
 - (B) Software configuration audit
 - (C) Baseline
 - (D) None of the mentioned

- 41. What combines procedures and tools to manage different versions of configuration objects that are created during the software process?
 - (A) Change control
 - (B) SCIs
 - (C) Version control
 - (D) None of the mentioned
- 42. Software configuration management can be administered in several ways. These include.
 - (A) A single software configuration management team for the whole organization
 - (B) A separate configuration management team for each project
 - (C) Software configuration management distributed among the project members
 - (D) All of the mentioned
- 43. Which is a software configuration management concept that helps us to control change without seriously impeding justifiable change?
 - (A) Source code
 - (B) Baselines
 - (C) Data model
 - (D) None of the mentioned
- 44. Which of the following categories is part of the output of software process?
 - (A) Computer programs
 - (B) Documents that describe the computer programs
 - (C) Data
 - (D) All of the mentioned
- 45. The extent to which different modules are dependent upon each other is called?
 - (A) Cohesion
 - (B) Coupling
 - (C) Modularity
 - (D) Stability

46.	A system does not interact with external environment is called:
	(A) Closed system
	(B) Logical system
	(C) Open system
	(D) Hierarchal system
47.	The relationship of data elements in a module is called:
	(A) Coupling
	(B) Modularity
	(C) Cohesion
	(D) None of the above
48.	When two modules refer to the same global data area, they are related as:
	(A) External coupled
	(B) Common coupled
	(C) Data coupled
	(D) Content coupled
49.	Temporal cohesion means:
	(A) Cohesion with respect of time
	(B) Cohesion between local variables
	(C) Cohesion between temporary variables
	(D) Coincidental cohesion
50.	Which one is not a strategy for design?
	(A) Bottom up design
	(B) Top down design
	(C) Hybrid design
	(D) Embedded design

51.	The r	most desirable form of cohesion is:
	(A)	Content cohesion
	(B)	Functional cohesion
	(C)	Logical cohesion
	(D)	Procedural cohesion
52.	The v	worst type of coupling is:
	(A)	Common coupling
	(B)	Content coupling
	(C)	External coupling
	(D)	Data coupling
53.	The r	nost desirable form of coupling is:
	(A)	Data coupling
	(B)	Control coupling
	(C)	Common coupling
	(D)	Content coupling
54.	Cohe	sion is the qualitative induction of degree to which a module:
	(A)	On just one thing
	(B)	Can be written more compactly
	(C)	Is able to complete function in timely manner
	(D)	Is connected to other module
55.	The i	mportance of software is described in single word:
	(A)	Efficiency
	(B)	Accuracy
	(C)	Complexity
	(D)	Quality
56.	In de	sign phase, which is primary area of concern?
	(A)	Architecture
	(B)	Data
	(C)	Interface
	(D)	All of the mentioned

57.		is the process of translation a task into a series of commands that computer		
	will	use to perform that task.		
	(A)	Programming		
	(B)	Project design		
	(C)	Installation		
	(D)	System analysis		
58.	Actual programming of software code is done during the step in SDLC.			
	(A)	Maintenance and evaluation		
	(B)	Design		
	(C)	Development and Documentation		
	(D)	Analysis		
59.	A st	ep by step instruction is used solve a problem is known as:		
	(A)	A sequential structure		
	(B)	A list		
	(C)	An Algorithm		
	(D)	A plan		
60.	Which tool is used for structure design?			
	(A)	Structure chart		
	(B)	Program flow chart		
	(C)	Data flow diagram		
	(D)	Module		
61.	Out	come of requirements specification phase is:		
	(A)	Software requirements specification		
	(B)	Design document		
	(C)	Test document		
	(D)	None of the above		
62.	Con	text Diagram explains:		
	(A)	The overview of the system		
	(B)	The internal view of the system		
	(C)	The entities of the system		
	(D)	None of the above		

63. APIs stands for: (A) Application Performance Interfaces (B) Application Performance Integration (C) Application Programming Interfaces (D) Application Programming Integration Which one is not a non-functional requirement? 64. (A) Reliability (B) Efficiency (C) Stability (D) Product features 65. What requirement gathering method developed at IBM in 1970s is used for managing requirement elicitation? (A) JAD (B) Traceability (C) FAST (D) Both (A) and (B) What kind of approach was introduced for elicitation and modeling to give a 66. functional view of the system? (A) Use cases (by Jacobson) (B) Fusion (by Coleman) (C) Object Oriented Design (by Booch) (D) Object modeling technique (by Rambaugh) Which is focused towards the goal of the organization? 67. (A) Requirement gathering

(B) Feasibility analysis

(C) Software requirement specification

(D) Software requirement validation

- 68. Which document is created by system analyst after the requirement are collected from various stakeholders?
 - (A) Software requirement specification
 - (B) Software requirement validation
 - (C) Requirements gathering
 - (D) Feasibility study
- 69. In which elicitation process the developers discuss with the client and end users and know their expectations from the software?
 - (A) Organizing requirements
 - (B) Requirements gatherings
 - (C) Negotiation & Discussion
 - (D) Documentation
- 70. Software requirement specification (SRS) is also known as specification of:
 - (A) Black box testing
 - (B) Acceptance testing
 - (C) Integrated testing
 - (D) White box testing
- 71. Requirement engineering process includes which of these steps?
 - (A) Feasibility study
 - (B) Requirement gathering
 - (C) Software Requirement specification and validation
 - (D) All mentioned above
- 72. Which of the following is the understanding of software product limitations, learning system related problems or changes to be done in existing systems beforehand, identifying and addressing the impact of project on organization and personnel etc.?
 - (A) Software design
 - (B) Feasibility analysis
 - (C) System analysis
 - (D) Requirement gathering

- 73. Which of the following is not defined in a good software requirement specification (SRS) document?
 - (A) Functional Requirement
 - (B) Algorithm for software implementation
 - (C) Goals of implementation
 - (D) Nonfunctional requirement
- 74. Which one is not a characteristic of a good SRS?
 - (A) Correct
 - (B) Complete
 - (C) Consistent
 - (D) Brief
- 75. ERD stands for:
 - (A) Entity relationship diagram
 - (B) Exit related diagram
 - (C) Entity relationship design
 - (D) Exit related design
- 76. Which phase is not available in software life cycle?
 - (A) Coding
 - (B) Testing
 - (C) Maintenance
 - (D) Abstraction
- 77. Most suitable model for new technology that is not well understood is:
 - (A) Waterfall model
 - (B) RAD model
 - (C) Iterative enhancement model
 - (D) Evolutionary development model
- 78. Which one is the most important features of spiral model?
 - (A) Quality management
 - (B) Risk management
 - (C) Performance management
 - (D) Efficiency management

79.	If limited user participation is available, which model is to be selected?
	(A) Waterfall model
	(B) Prototyping model
	(C) Iterative enhancement model
	(D) Any of the above
80.	If user participation is available, which model is to be chosen?
	(A) waterfall model
	(B) Iterative enhancement model
	(C) Spiral model
	(D) RAD model
81.	If requirements are frequently changing which model is to be selected?
	(A) Water fall
	(B) Prototyping
	(C) RAD model
	(D) Iterative
82.	If requirements are easily understandable and defined, which model is best suited?
	(A) Waterfall
	(B) Prototyping model
	(C) Spiral model
	(D) None of the above
83.	RAD model was proposed by:
	(A) Lucent technologies
	(B) Motorola
	(C) IBM
	(D) Microsoft
84.	RAD stands for:
	(A) Rapid application development
	(B) Relative application development
	(C) Ready application development
	(D) Repeated application development

85.	Vali	Validation is:	
	(A)	Checkin	
	(B)	Checkin	

- (A) Checking the product with respect to customer expectations
- (B) Checking the product with respect to specifications
- (C) Checking the product with respect to the constrains of the project
- (D) All of the above
- 86. SRS stands for:
 - (A) Software requirement specification
 - (B) Software requirements solutions
 - (C) System requirements specification
 - (D) None of the above
- 87. SDLC stands for:
 - (A) Software design life cycle
 - (B) Software development life cycle
 - (C) System development life cycle
 - (D) System design life cycle
- 88. Which model is not a software life cycle model?
 - (A) Waterfall model
 - (B) Spiral model
 - (C) Prototyping model
 - (D) Capability maturity model
- 89. Which model is most popular for student's small project?
 - (A) Waterfall model
 - (B) Spiral model
 - (C) Quick and fix model
 - (D) Prototyping model
- 90. _____is not suitable for accommodating any change?
 - (A) Waterfall model
 - (B) RAD model
 - (C) Build & Fix model
 - (D) Prototyping model

91.	is a software development life cycle model that is chosen if the
	development team has less experience on similar projects.
	(A) Iterative enhancement model
	(B) RAD
	(C) Spiral
	(D) Waterfall
92.	is not a fundamental activity for software processes in software
	development.
	(A) Evolution
	(B) Design and Implementation
	(C) Verification
	(D) Validation
93.	Which of the following the CASE tools?
	(A) Central Repository
	(B) Integrated case tools
	(C) Upper case tools
	(D) All to the mentioned
94.	Who proposed the spiral model?
	(A) IBM
	(B) Pressman
	(C) Royce
	(D) Barry Boehm
95.	Attributes of good software is
	(A) Development
	(B) Functionality
	(C) Maintainability& functionality
	(D) Maintainability

96.	6. What is functional requirement?		
	(A)	Specifies the tasks the program should not complete	
	(B)	Specifies the tasks the program must complete	
	(C)	Specifies the tasks the program must not work	
	(D)	All of the mentioned	
97.	CASE stands for:		
	(A)	Control Aided Science and Engineering	
	(B)	Computer-Aided Software Engineering	
	(C)	Cost Aided system experiments	
	(D)	None of the mentioned character	
98.		is defined as the process of generating analysis and designing documents?	
	(A)	Reverse Engineering	
	(B)	Re-engineering	
	(C)	Software Re-engineering	
	(D)	More than one method with same name, same number of parameters and type	
		but different signature	
99.	Who	is the father of software engineering?	
	(A)	Watts S. Humphrey	
	(B)	Margaret Hamilton	
	(C)	Alan Turing	
	(D)	Boris Beizer	
100.	Wha	at is software Engineering?	
	(A)	Testing a software	
	(B)	Application of engineering principles to the design a software	
	(C)	Designing a software page	
	(D)	None of the above	

Rough Work / रफ कार्य

Rough Work / रफ कार्य

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