



Marks: 70

1 x 70=70

BRAINWARE UNIVERSITY

Term End Examination 2021 - 22 Programme – Bachelor of Technology in Computer Science & Engineering Course Name – Software Engineering Course Code - BCSE601 (Semester VI)

Time allotted: 1 Hrs.25 Min.	Full
[The figu	re in the margin indicates full marks.]
Choose the connect allowering for the	Group-A fultiple Choice Type Question)
Choose the correct alternative from the f	ollowing:
aradon by anocating the effort to spec	that distributes estimated effort across the planned project d cific software engineering tasks?
 a) Software Macroscopic schedule 	b) Software Project scheduling
c) Software Detailed schedule	d) None of the mentioned
(2) If an Indirect approach is taken, then	the sizing approach is represented as
a) LOC	b) FP
c) Fuzzy Logic	d) LOC & FP
(3) Programming language experience is	a part of which factor of COCOMO cost drivers?
a) Personnel Factor	b) Product Factor
c) Platform Factor	d) Project Factor
(4) Which of the following is not one of to nt (FP) decomposition?	he five information domain characteristics of Function Poi
a) External Inputs	b) External Outputs
c) External Process	d) External Inquiries
(5) Who suggested the four different appr	roaches to the sizing problem?
a) Putnam	b) Myers
c) Boehm	d) Putnam and Myers
(6) How many forms exist of Barry Boeh	m's COCOMO Model?
a) Two	b) Three
c) Four	d) None from Exists
(7) If a Direct approach to software project	
a) LOC	b) FP
c) LOC & FP	d) None of the mentioned
(8) Which of the following strategies mea	ns that the impact of the risk will be reduced?

b) Minimization strategies

d) All of the mentioned

a) Avoidance strategies

c) Contingency plans

maximize information hiding in the design."?	statement: "Derive traceability information to
a) Underestimated development time	b) Organizational restructuring
c) Requirements changes	d) Requirements changes
(10) Which of the following risks are derived from the so d to develop the system?	
a) Managerial risks	b) Technology risks
c) Estimation Risk	d) Organizational Risk
(11) Which of the following risks are derived from the or is being developed? a. b. c. d.	
a) People Risk	b) Technology risks
c) Estimation risks	d) Organizational risks
(12) Recruitment analysis is critical to the success of a de-	evelopment process.
a) True	b) False
c) Depends upon the size of project	d) None of the mentioned
(13) Which tool is use for structured designing?	
a) E-R diagram	b) Structure chart
c) Data-flow diagram	d) Both a,b
(14) In the Analysis phase, the development of the f the goals and objectives of the project?	occurs, which is a clear statement o
a) Documentation	b) Flowchart
c) program specification	d) data flow diagram
Cohesion is a qualitative indication of the degree to	which a module
can not be written more compactly	b) focuses on just one thing
f the goals and objectives of the project? a) Documentation c) program specification Cohesion is a qualitative indication of the degree to verify and can not be written more compactly is able to complete its module in a timely manner a) Which of the following is/are the valid relationships a) Generalization c) System	d) is connected to other function and the outside wor
हैं हैं (दें 6) Which of the following is/are the valid relationships	in Use Case Diagrams?
a) Generalization	b) Component
c) System	d) All of the mentioned
(17) Which of the following property does not correspond n (SRS)?	to good software Requirement Specificatio
a) Verifiable	b) Ambiguous
c) Complete	d) Traceable
(18) Which of the following is not a step in the recruitmer	nt engineering process?
a) Recruitment specification	b) Requirement analysis
c) Feasibility study	d) Recruitment Prioritization
(19) What is the system requirement of the documents?	
a) SRS	b) SDD
c) SRD	d) DDD
(20) The SRS is said to be consistent if and only if	4) 555
a) Its structure and style are such that any changes to the requirements can be made easily while retaining the style and structure	b) Every requirement stated therein is one that the so ftware shall meet.
c) Every requirement stated therein is verifiable.	d) No subset of individual requirements described in it conflict with each other
(21) Which of the following is included in SRS?	
a) Cost	b) Design Constraints
c) Staffing	d) Delivery Schedule
(22) Which of the following is not included in SRS?	

a) Performance	b) Functionality
c) Design Solutions	d) External Interfaces
(23) Consider the following Statement: "The output of a p nt X 10% of the time." What characteristic of SRS is b	rogram shall be given within 10 secs of eve being depicted here?
a) Consistent	b) Verifiable
c) Non- verifiable	d) Correct
(24) Considering the example of issue/return of a book, ca t type of management requirement is being depicted be	staloging etc. in a library management. Wha
a) Enduring	b) Volatile
c) Both enduring and Volatile	d) All of the mentioned
(25) Which of these software engineering activities is not	a part of software process?
Software verification	LIDICITY
c) Software validation	d) None of these Brainware University Brai
(26) The reason for software bugs and failures is due to	d) None of these 398, Ramkrishnapur Nossa Kolkata, West Bengal-700125
a) Software companies	b) Software Developers
c) Both a & b	d) None of these
(27) The importance of software design can be summarize	ed in a single word
a) accuracy	b) complexity
c) efficiency	d) quality
(28) Which of these are characteristics of a good design?	-, 1,
a) exhibits strong coupling between its modules	b) implements all requirements in the analysis model
c) Provides a complete picture of the software	d) both b & c
(29) Which of the following is not a characteristic commo	
a) configuration management	b) functional component representation
c) quality assessment guidelines	d) refinement heuristics
(30) Which of the following is not a characteristic commo	
a) configuration management	
c) quality assessment guidelines	b) functional component representationd) refinement heuristics
(31) The importance of software design can be summarize	
a) Efficiency	
c) Quality	b) Accuracy
	d) Complexity
(32) Coupling is a qualitative indication of the degree to w	
a) can be written more compactly	b) focuses on just one thing
c) is able to complete its function in a timely manner	d) is connected to other modules and the outside wor ld
(33) What encapsulates both data and data manipulation for	unctions? a. b. c. d.
a) Object	b) Class
c) Super class	d) Sub class
(34) Which of the following is a disadvantage of OOD?	
a) Easier maintenance	b) Objects may be understood as stand-alone entities
c) Objects are potentially reusable components	d) None of the mentioned
(35) The context diagram is also known as	
a) Level-0 DFD	b) Level-1 DFD
c) Level-2 DFD	d) All of the mentioned
36) A directed arc or line in DFD represents	-,
	b) Data Process
a) Data Store	d) All of the mentioned
c) Data Flow	a) All of the mentioned

(.	37) The spiral model was originally proposed of	J. Droceman	
	a) Barry Boehm	b) Pressman	
	c) Royce	d) None of above	
(38) What is the final outcome of the requirement	nts analysis and specification phase a. b. c. d.	
	a) drawing the data flow diagram	b) the SRS document	
	c) testing the project	d) none of these	
(39) Which one of the following is NOT desired S) document?	I in a good Software Requirement Specifications (SR	
	a) Functional dependency	b) Algorithms for Software Implementation	
	c) Non Functional Requirements	d) Goals of design	
(40) What is the appropriate pairing of items in in a software life cycle? P. Requirements C.	the two columns listing various activities encountered apture 1.Module Development and Integration Q. Des 3.Structural and Behavioral Modeling S. Maintenanc	
	a) P-3, Q-2, R-4, S-1	b) P-2, Q-3, R-1, S-4	
	c) P-3, Q-2, R-1, S-4	d) P-2, Q-3, R-4, S-1	
(41) What is Cyclomatic complexity?		
	a) Black box testing	b) White box testing	
	c) Yellow box testing	d) Green box testing	
((42) Which of the following is/are White box te		
	a) Statement Testing	b) Decision Testing	
	c) Condition Coverage	d) All of the mentioned	
	(43) Alpha testing is done at	S) THE STAIR MEMORIE	
	a) Developer's end	b) User's end	
25 S	c) Developer's & User's end	d) None of the mentioned	
ad, 8	(44) The testing in which code is checked	c) 1 tone of the memorie	
Univ Bo	a) Black box testing	b) White box testing	
Are hnap est B	c) Red box testing	d) Green box testing	
mkrisi Ma, W	a) Developer's end b) User's end c) Developer's & User's end d) None of the mentioned (44) . The testing in which code is checked a) Black box testing c) Red box testing d) Green box testing (45) Testing done without planning and Documentation is called a) Unit testing c) Adhoc testing d) None of the mentioned (46) What is Functional Testing? a. b. c. d.		
Bra Rai	a) Unit testing	b) Regression testing	
39	c) Adhoc testing	d) None of the mentioned	
	(46) What is Functional Testing? a h c d	c) word of the memories	
	a) SDLC Model	b) Test Type	
	c) Test Design Technique	d) Test Level	
	(47) What are the various Testing Levels?	a) Test Bever	
		h) Systam Testing	
	a) Unit Testing c) Integration Testing	b) System Testingd) All of the mentioned	
		d) All of the mentioned	
	(48) Acceptance testing is also known as	LVWI 'a L A	
	a) Grey box testing	b) White box testing	
	c) White box testing	d) Beta testing	
	(49) Which of the following is non-functional to		
	a) Black box testing.	b) Performance testing	
	c) Unit testing	d) None of the mentioned	
	(50) Beta testing is done at		
	a) User's end	b) Developer's end	
	c) User's & Developer's end	d) None of the mentioned.	
	(51) Behavioral testing is		

a) White box testing	b) Black box testing
e) Grey box testing	d) None of the mentioned
(52) Which of the following is black box testing	
a) Basic path testing	b) Boundary value analysis
e) Code path analysis	d) None of the mentioned
(53) Software Maintenance includes	
a) Error corrections	b) Enhancements of capabilities.
c) Deletion of obsolete capabilities	d) All of the mentioned
(54) Maintenance is classified into how many ca	tegories?
a) Two	b) Three
c) Four	d) Five
(55) Which selective retest technique selects ever e a different output than its original version?	ry test case that causes a modified program to produc
a) Coverage	b) Minimization
c) Safe	d) Maximization
(56) Which regression test selection technique ex	sposes faults caused by modifications? Brainware University Brainware University
a) Efficiency	b) Precision b) Precision b) Precision
c) Generality	d) Inclusiveness
67) Which of the following manuals is not a use	
a) Beginner's Guide	b) Installation guide
c) Reference Guide	d) SRS
(58) Which of the following is not an appraisal co	
a) Maintenance	
c) quality planning	b) inter-process inspection d) Testing
(59) Who identifies, documents, and verifies that	, .
a) Project manager	
c) SQA Group	b) Project Team
(60) Which of the following is not included in Ex	d) All the mentioned above
a) Testing c) warranty work	b) help line support
(61) CMM Stands for?	d) Complaint resolution
	1) 0
a) Capability Management Module	b) Conservative Maturity Model
c) Capability Maturity Module	d) Capability Maturity Model
(62) According to ISO 9001, the causes of noncor	
a) Deleted	b) Eliminated
c) Identified	d) eliminated and identified
(63) ISO 9001 is not concerned with	_ of quality records.
a) Collection	b) Maintenance
c) Verification	d) dis-positioning
64) In CMM, the life cycle activities of requirementa. b. c. d.) d)	ents analysis, design, code, and test are described in
a) Software Product Engineering	b) Software Quality Assurance
c) Software Subcontract Management	d) Software Quality Management
65) Which of the following requires design control eviews and qualification tests?	ol measures, such as holding and recording design r
a) CMM	b) ISO 9001
c) ISO 9000-3	d) None of the mentioned

(66) Which of the following is not considered as a risk in	n project management?
	b) Product competition
a) Specification delays c) Testing	d) Staff turnover
 (67) The process each manager follows during the life of a) Project Management c) Project Management Life Cycle 	f a project is known as b) Manager life cycle d) All of the mentioned
(68) A 66.6% risk is considered as	
a) very low	b) low
c) moderate	d) High
(69) Which of the following is/are main parameters that y a software development project?	
a) travel and training costs	b) hardware and software costs
 c) effort costs (the costs of paying software engineer s and managers 	d) all of the mentioned
(70) Quality planning is the process of developing a quali	ity plan for
a) Team	b) Project
c) Customers	d) project manager