MCQ FOR SOFTWARE ENGINEERING

1.	 What is Software? a) Software is set of programs b) Software is documentation and configuration of data c) Software is set of programs, documentation & configuration of data d) None of the mentioned 							
2.	 Which of these is true? a) Generic products and customized products are types of software products b) Generic products are produced by organization and sold to open market c) Customized products are commissioned by particular customer d) All of the mentioned 							
3.	Whaa) c) d)	at are attributes of good software? Software maintainability Software development Software maintainability & function	b) ality	Software functionality				
4.	Which of these software engineering activities are not a part of software processes?							
	a) c)	Software dependence Software validation	b) d)	Software development Software specification				
5.	Choose the correct option in terms of Issues related to professional responsibility							
	a) c) d)	Confidentiality Both Confidentiality & Intellectual p Managing Client Relationships	b) propei	Intellectual property rights				
6.	"Software engineers should not use their technical skills to misuse other people's computers." Here the term misuse refers to:							
	a)b)c)d)	Unauthorized access to computer m Unauthorized modification of comp Dissemination of viruses or other m All of the mentioned	outer 1	material				
7.	Eff	Efficiency in a software product does not include						
	a)	responsiveness	b)	licensing				
	c)	memory utilization	d) `	processing time				
8.		nich tools are used in implementation	, testii	ng and maintenance?				
	a)	uppercase tools	b)	integrated case tools				
	c)	lowercase tools	d)	none of above				

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198	Wat	terfall model of software development is					
9.	a) b) c) d)	a reasonable approach when requirement are well defined and project is small good approach when working software is required quickly best approach to use in large project and large development team.					
Which of these is not one of the phase names defined by the Unified Processoftware development?							
	a)	Inception phase b) validation phase					
	c)	elaboration phase. d) Construction phase.					
11.	Wh	at is the major advantage of using Incremental Model?					
	a)	Customer can respond to each increment					
	b)	Easier to test and debug					
	c)	It is used when there is a need to get a product to the market early					
	d)	Easier to test and debug & It is used when there is a need to get a product to the market early					
12.	Th	e spiral model has two dimensions namely and					
	a)	diagonal, angular b) radial, perpendicular					
	c)	radial, angular d) diagonal, perpendicular					
13.	Id	entify the disadvantage of Spiral Model.					
	a) b) c) d)	Doesn't work well for smaller projects High amount of risk analysis Strong approval and documentation control Additional Functionality can be added at a later date.					
14.	Ą	gile Software Development is based on					
	a)	Incremental Development b) Iterative Development					
	c)	Linear Development					
	d)	Therefine and the second of th					
15.	H a)	How is plan driven development different from agile development? a) Outputs are decided through a process of negotiation during the software					
	b)	operincation, design, implementation					

16.	Use	er requirements are expressed as		_ in Extreme Programming.				
	a)	implementation tasks	b)	functionalities				
	c)	scenarios	d)	none of the mentioned				
17.	Which of the following is the important feature of spiral model?							
	a)	quality management	b)	risk management				
	c)	performance management	d)	efficiency management				
18.	Wł	Which one of the following is a functional requirement?						
	a)	Maintainability	b)	Portability				
	c)	Robustness	d)	None of the mentioned				
19.	Wh	at are the four dimensions of Deper	ndabilit	y?				
	a)	Usability, Reliability, Security, Fle	xibility					
	b)	Availability, Reliability, Maintain	ability,	Security				
	c)	Availability, Reliability, Security,	-					
	d)	Security, Safety, Testability, Usab	ility					
20.	Which two requirements are given priority during Requirement Management of a product?							
	a)	User and Developer	b)	Functional and Non-functional				
	c)	Enduring and Volatile	d)	All of the mentioned				
21.	Which of the following is not a diagram studied in Requirement Analysis?							
	a)	Use Cases	b)	Entity Relationship Diagram				
	c)	State Transition Diagram	d)	Activity Diagram				
22.	, WЛ	Which model in system modeling depicts the dynamic behavior of the system?						
22.		Context Model	b)	Behavioral Model				
	c)	Data Model	d)	Object Model				
	Which model in system modeling depicts the static nature of the system?							
23.		- 1 Model	b)	Coutext Model				
	a)	Data Model	d)	Structural Model				
	c) Data Model The UML supports event-based modeling using diagrams.							
24.	Th		b)	Collaboration				
	a)	Deployment	d)	All of the mentioned				
	c)	State chart	fer that	different members of classes have some				
25.	_	mmon characteristics.						
	CO		b)	Aggregation				
	a)	Realization Generalization	d)	dependency				
	۵١	Generalization	•					

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26.		& diagra	ams c	of UML represent Interaction modeling.					
5.	a)	Use Case, Sequence	b)	Class, Object					
	c)	Activity, State Chart	ď)	All of the mentioned					
27.	Coh	nesion is a qualitative indication of the	deg	ree to which a module					
	a)	can be written more compactly	Ü						
	b)	focuses on just one thing							
	c)	is able to complete its function in a ti	imely	manner					
	d)	is connected to other modules and the	ne ou	tside world					
28.	Cou	Coupling is a qualitative indication of the degree to which a module							
	a)	can be written more compactly							
	b)	focuses on just one thing							
	c)	is able to complete its function in a ti	•						
	d)	is connected to other modules and the	re ou	tside world					
29.	Cho	pose the incorrect statement in terms o	of Obj	ects.					
	a)	Objects are abstractions of real-world	d						
		b) Objects can't manage themselves							
	c) d)	c) Objects encapsulate state and representation informationd) All of the mentioned							
•	ĺ								
30.		UML was designed for describing							
	a)	object-oriented systems	b)	architectural design					
	c) d)	SRS Both object-oriented systems and Ar	chite	ctural design					
31.	,	Which of the following view shows that the system is composed of interacting processes							
<i>J</i> 1.		in time?		ystem is composed of interdening processes					
	a)	physical	b)	development					
	c)	logical	d)	process					
32.	Which of the following is not included in Architectural design decisions?								
	a)	type of application	b)	distribution of the system					
	c)	architectural styles	d)	testing the system					
33.	Which of the following pattern is the basis of interaction management in many web								
	base	d systems?							
	a)	layered pattern	b)	repository pattern					
	c)	model-view-controller	d)	different operating system					
34.	Whi	ch of the following type describes ap	plica	tion architectures?					
	a)	Transaction processing applications	b)	Language processing systems					
	c)	Client management systems							
	رام	Transaction processing applications	and l	Language processing systems					

35.	Wh	White Box techniques are also classified as						
	a) c)	Design based testing Error guessing technique	b) d)	Structural testing functional testing				
36.	Boundary value analysis belongs to?							
	a) c)	White Box Testing White Box & Black Box Testing	b) d)	Black Box Testing None of the mentioned				
37.	Tes	Testing done without planning and Documentation is called						
	a) c)	Unit testing Adhoc testing	b) d)	Regression testing None of the mentioned				
38.	Acc	ceptance testing is also known as						
	a) c)	Grey box testing Alpha Testing	b) d)	White box testing Beta testing				
39.	Which of the following is non-functional testing?							
	a) c)	Black box testing Unit testing	b) d)	Performance testing None of the mentioned				
40.	Behavioral testing is							
	a) c)	White box testing Grey box testing	b) d)	Black box testing None of the mentioned				
41.	CMM model is a technique of							
	a) c)	developing software improve the testing process	b) d)	improve the software process All of the mentioned				
42.	Wh	What are the problems with re-structuring?						
	a) c) d)	Loss of comments Heavy computational demands All of the mentioned	b)	Loss of documentation				
43 .	Source code translation is a part of which re-engineering technique?							
	a) c)	Data re-engineering Restructuring	b) d)	Refactoring None of the mentioned				
44.	Reverse engineering is the process of deriving the system design and specification from its							
	a) c)	GUI Source code	b) d)	Database All of the mentioned				

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45.	Soft	tware evolution does not comprises:				
	a) c)	Development activities Maintenance activities	b) d)	Negotiating with client Re-engineering activities		
46.	The falls	modification of the software to mag under which category of software m	tch cl ainter	nanges in the over the stand		
	a) c)	Corrective Perfective	b) d)	Adaptive Preventive		
47.	obje	combines procedures and tool ects that are created during the softwa	s to r	manage different versions of configuration ocess.		
	a) c)	Configuration status reporting version control	b) d)	change control system building		
48.	Wh	ich of the following is not software co	nfigu	_		
	a) c)	change management version management	b) d)	risk management release management		
49.	The	process of generating analysis and de	esign	documents is known as		
	a) c) R	Software engineering everse engineering	b) d)	Software re-engineering Re-engineering		
50.	CM	IM stands for				
	a)b)c)d)	Capability Management Module Conservative Maturity Model Capability Maturity Module Capability Maturity Model				
51.		- , ,	ure o	of a purchased component to perform as		
	a) c)	Product risk Business risk	b) d)	Project risk Programming risk		
52.	What assess the risk and your plans for risk mitigation and revise these wher more about the risk?					
	a) c)	Risk monitoring Risk analysis	b) d)	Risk planning Risk identification		
53.	Wh soft	ich of the following risks are derived ware is being developed?	from	the organizational environment where the		
	a) c)	People risks Estimation risks	b) d)	Technology risks Organizational risks		

54.	Which of the following strategies means that the impact of the risk will be reduced?						
	a) c)	Avoidance strategies Contingency plans	b) d)	Minimization strategies All of the mentioned			
55.	Every task that is scheduled should be assigned to a specific team member is termed as						
	a) c)	Compartmentalization Defined responsibilities	b) d)	Defined milestones Defined outcomes			
56.	Which of the following is a project scheduling method that can be applied to software development?						
	a) c)	PERT CMM	b) d)	CPM Both PERT and CPM			
57.	Wh	ich of the following costs is not part o	f the	total effort cost?			
	a) b) c) d)	Costs of networking and communication Costs of providing heating and light Costs of lunch time food Costs of support staff					
58.	A is developed using historical cost information that relates some software metric to the project cost.						
	a) c)	Algorithmic cost modeling Estimation by analogy	b) d)	Expert judgment Parkinson's Law			
59.	Which technique is applicable when other projects in the same analogy application domain have been completed?						
	a) c)	Algorithmic cost modeling Estimation by analogy	b) d)	Expert judgments Parkinson's Law			
60.	Which model assumes that systems are created from reusable components, scripting or database programming?						
	a) c)	An application-composition model A reuse model	b) d)	A post-architecture model An early design model			
61.	Wh	nich of the following states that work	expar	ds to fill the time available?			
	a) c)	CASE tools Parkinson's Law	b) d)	Pricing to win Expert judgments			
62.	COCOMO stands for						
	a) c)	common cost model complete cost model	b) d)	constructive cost model comprehensive cost model			

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ANSWERS

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1.(c)	2. (d)	3. (d)	4. (a)	5. (c)
6. (d)	7. (b)	8. (c)	9. (a)	10. (b)
11. (c)	12. (d)	13. (a)	14. (d)	15. (c)
16. (c)	.17. (b)	18. (d)	19. (c)	20. (c)
21. (d)	22. (b)	23. (d)	24. (c)	25. (c)
26. (a)	27. (b)	28. (d)	29. (b) ·	30. (d)
31. (d)	32. (d)	33. (c)	34. (d)	35. (b)
36. (b)	37. (c)	38. (d)	39. (b)	40. (b)
41. (b)	42. (b)	43. (c)	44. (c)	45. (b)
46. (b)	47. (c)	48. (b)	49. (c)	50. (d)
51. (a)	52. (a)	53. (d)	54. (b)	55. (c)
56. (d)	57. (c)	58. (a)	59. (c)	60. (a)
61. (c)	62. (b)		· · · · · · · · · · · · · · · · · · ·	

BIBLIOGRAPHY

Ali Behforooz and Frederick J. Hudson, "Fundamentals of Software Engineering", OUP, 1996

Beginning Software Engineering, Rod Stephens, John Wiley & Sons Inc 2015

Ian Sommerville, "Software Engineering", 9th Edition, Addison-Wesley, 2010, ISBN: 978-0137035151

Pankaj Jalote, "An Integrated Approach to Software Engineering", 2nd Edition, Springer, 1997

Roger S. Pressman, "Software Engineering: A Practitioner's Approach, 6th Edition, MCgraw Hill International edition, 2005

Software Engineering, 10th Edition, Ian Sommerville, Pearson Education 2016

Software Engineering: A Practitioner's Approach, 8th Edition, Roger S. Pressman and Bruce R. Maxim, McGraw-Hill Education 2015