# MCQ FOR SOFTWARE ENGINEERING

1	What is Software?	0
1.	2000 approara when a orang seems	(1)
	a) Software is set of programs	(0
	b) Software is documentation and configuration of data	
	Software is set of programs, documentation & configuration of data     None of the mentioned	HW 2,201
	the intermed	
2.	Which of these is true? dq noisbilev @ was a searig noisgeon!	
	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	11. Wh
	All of the mentioned the mentioned the sach increment the sach increme	n (a
3.	What are attributes of good and and	
	a) Software maintainability b) Software functionality	[0
	c) Software development	0
	Software maintainability & functionality	(b()
	product? Viga tidiam	
4.	Which of these software engineering activities are not a part of software processed	25?
	Software dependence	
	c) Software validation d) Software specification	(8
5.	Choose the correct option in terms of Issues related to professional responsibility	(5
	a) Confidentiality b) Intellectual property rights	13. 14
	6) Both Confidentiality & Intellectual property rights	18
	d) Managing Client Relationships	
5.	"Software engineers should not use their technical skills to misuse other	people's
	computers."Here the term misuse refers to:	(h
	Which made Development is base leighter material sent of thempoleved showing	14. 'Agi
	- I I'll - tion of computer material	
	District Control of the Control of t	(2
	the mountain of a selected bond between 1 to 1	A
7.	Efficiency in a software product does not include	
	a) responsiveness below to be licensing by both and a second seco	DH A
erev	c) memory utilization d) processing time	
8.	Which tools are used in implementation, testing and maintenance?	
	a) uppercase tools b) integrated case tools	(6.
	c) lowercase tools d) none of above	0

198	Anna Santa	SOFTWARE ENGINEERING					
9.	Wa	terfall model of software development is					
	<b>a</b>	the requirement are well defined and project is small					
	b)	i line antimarp is require					
	c)	best approach to use in large project and large development team.  Applicable to develop medium sized application when requirement are not clear.					
	d)	Applicable to develop medium sized applicable sized applicabl					
10.	Which of these is not one of the phase names defined by the Unified Process Model for						
	soft	Incention phase  (b) validation phase					
	a)	inception 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.	The	spiral model has two dimensions namely and					
	a)	diagonal, angular b) radial, perpendicular					
	c)	radial, angular diagonal, perpendicular					
13.	Ide	ntify the disadvantage of Spiral Model.					
	(a)	Doesn't work well for smaller projects					
	b)	High amount of risk analysis					
	c)	Strong approval and documentation control					
	d) Additional Functionality can be added at a later date.						
14.	Agil	e Software Development is based on					
	a)	Incremental Development b) Iterative Development					
	c)	Linear Development					
	<b>a</b>	Both Incremental and Iterative Development					
15.		is plan driven development different from agile development?					
12 2	a)	Outputs are decided through a process of negotiation during the softw					
	-,	development process					
	b)	Specification, design, implementation and testing are interleaved					
		Iteration occurs within activities d) All of the mentioned					

16.	Use	er requirements are expressed as	PRODUCT OF	in Extreme Programming.	
	a)	implementation tasks	b)	functionalities	
	<b>c</b> )	scenarios scenarios	d)	none of the mentioned	
17.	Wh	ich of the folle wing is the important			27.
	a)	quality management	-	in the second control and the second of	
	c)	performance management	(b)	risk management	
10		TSUTTERN VIO	mil s	efficiency management	
18.		nich one of the following is a function	al req	uirement?	
	a)	Maintainability Robustness	b)	Portability And Republic Property of the Prope	.85
	19		(1)	None of the mentioned	
19.	Wh	at are the four dimensions of Depend	labilit	y?	
	a)	Usability, Reliability, Security, Flexi		HILL THE STATE OF	
	b)	Availability, Reliability, Maintainal		Security of taribo of bottomroo et	
	(C)	Availability, Reliability, Security, Sa	A P. F. E.L.	Choose the incorrect statement in term	29.
	d)	Security, Safety, Testability, Usabili	ty	a) Objects are abstractions of real-w	
20.	Wh	nich two requirements are given p	riorit	y during Requirement Management	of a
	pro	educt? noisemedia noise	resen	c) Objects encapsulate state and rep	
	a)	User and Developer	b)	Functional and Non-functional	
	0	Enduring and Volatile	d)	All of the mentioned	.00
21.	Wh	nich of the following is not a diagram	studi	ed in Requirement Analysis?	
		Use Cases	b)	一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个	
	c)	State Transition Diagram	(B)	Activity Diagram	
20.00	YOU THE	sales to passetting a maister	HET THE	dynamic behavior of the system?	
22.				Behavioral Model	
	a)	Context Model  Data Model	(b)	Object Model	
	c)			AND THE RESIDENCE OF THE PARTY	
23.	W			static nature of the system?	
	a)	Behavioral Model	200	Context Model	6
	c)	Data Model	9	Structural Model	
24.	Th	e UML supports event-based modeling	ng usi		
	a)	Deployment	b)	Collaboration	
	0	State chart	d)	All of the mentioned	
25.		allows us to infer	that	different members of classes have	som
	co	mmon characteristics.	allqua	The following type describes	
	a)	Realization	b)	Aggregation	
	0	Compliantion	1)	denondency	

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5.	& diag	ams	of UML represent Interaction modeli	ng.	
		b)	Class, Object		
(	c) Activity, State Chart	d)		9	
. (	Cohesion is a qualitative indication of th	e deg	gree to which a module		
			guality management		
2 2	\$100 CENT   1   1   1   1   1   1   1   1   1	SD Sen. P	perioritance inangement	49	
	is able to semulate its function in a	timel	y manner		
d	is connected to other modules and t	he ou	itside world		81
(	Coupling is a qualitative indication of th	e deg	gree to which a module	(B	
	can be written more compactly			19	
b		deba	hat are the four dimensions of Depe		
c)	is able to complete its function in a	imel	Usability, Reliability, Scrannan y	(a s)	
	is connected to other modules and t	he ou	tside world lidsilan willidslavA	(d	
C	hoose the incorrect statement in torms	of Oh	Availability, Reliability, Security,	0	
	Objects are abstraction of the land	3	Security, Satety, Testability, Usac	(b	
-			novie pre proporciones nost deld	LUI	
1	All of the mentioned	entai			
	为是自己在新疆的的基础是特殊的。			(a	
				6	
	object-oriented systems	b)	architectural design of order to doing	rvi.	
	Commence of the control of the contr		y Carried perpendicular		
4	Both object-oriented systems and Ar	chite	ctural design	16	
Wh	nich of the following view shows that	the s	ystem is composed of interacting	proces	se
at r	un time?	nets t	itch model in system modeling dep	IW.	2
a)	A LANGUE OF THE PROPERTY OF THE PROPERTY OF THE PARTY OF	<b>b</b>	development Islam Nation	(5	
c)	The Control of the Co	d)	Drocess Inhold storil	6	
Wh	ich of the following is not included in	Arch	itectural design decisions?		
a)	type of application	b)	distribution of a	144	
c)	architectural at-l-		testing the	(6	
Whi		ania.	testing the system	(2)	
base	ed systems?	asis	of interaction management in ma	any w	eb
20	The state of the s	yelo	pinent		
	LUMBERSON OFFS STUDIES TO	b)	repository pattern	100	
2572.00		d)	different operating avetage		
Whi	ch of the following type describes app	olicat	ion architecture 2		
a)	Transaction processing applications	b)			
2)	Client management systems	AD CARE		10	
(i)	Transaction processing applications	and I	Regulation in the street of the La	4	
	- O-PPACAGOTIS	and I	Language processing systems	12	
	Cabcd Cabcd That a) c) White base a) c) White base a) c)	a) Use Case, Sequence c) Activity, State Chart  Cohesion is a qualitative indication of the a) can be written more compactly b) focuses on just one thing c) is able to complete its function in a d) is connected to other modules and the Coupling is a qualitative indication of the a) can be written more compactly b) focuses on just one thing c) is able to complete its function in a did is connected to other modules and the Choose the incorrect statement in terms and a line is connected to other modules and the Choose the incorrect statement in terms and Objects are abstractions of real-world Objects can't manage themselves c) Objects encapsulate state and represed All of the mentioned  The UML was designed for describing and object-oriented systems c) SRS d) Both object-oriented systems and And Which of the following view shows that at run time? a) physical c) logical  Which of the following is not included in and type of application controller architectural styles  Which of the following pattern is the behased systems? a) layered pattern c) model-view-controller  Which of the following type describes application processing applications c) Client management systems c) Client management systems	a) Use Case, Sequence c) Activity, State Chart d) Cohesion is a qualitative indication of the deg a) can be written more compactly b) focuses on just one thing c) is able to complete its function in a timel d) is connected to other modules and the or Coupling is a qualitative indication of the deg a) can be written more compactly b) focuses on just one thing c) is able to complete its function in a timel d) is connected to other modules and the or Choose the incorrect statement in terms of Ob a) Objects are abstractions of real-world b) Objects can't manage themselves c) Objects encapsulate state and representate d) All of the mentioned The UML was designed for describing a) object-oriented systems b) SRS d) Both object-oriented systems and Archite Which of the following view shows that the state run time? a) physical c) logical d) Which of the following is not included in Archite which of the following pattern is the basis based systems? a) layered pattern b) model-view-controller d) Which of the following type describes application Transaction processing applications b) Client management systems	diagrams of UML represent Interaction modelic  a) Use Case, Sequence c) Activity, State Chart d) All of the mentioned  Cohesion 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 timely manner d) is connected to other modules and the outside world  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 timely manner d) is connected to other modules and the outside world  Choose the incorrect statement in terms of Objects. a) Objects are abstractions of real-world b) Objects encapsulate state and representation information d) All of the mentioned  The UML was designed for describing a) object-oriented systems b) architectural design Which of the following view shows that the system is composed of interacting at run time? a) physical b) development c) logical d) development d) process Which of the following is not included in Architectural design decisions? a) type of application b) distribution of the system b) repository pattern model-view-controller d) different operating system  Which of the following type describes application architectures? Transaction processing applications b) Language processing systems	diagrams of UML represent Interaction modeling.  a) Use Case, Sequence c) Activity, State Chart d) All of the mentioned Cohesion 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 timely manner d) is connected to other modules and the outside world 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 timely manner d) is connected to other modules and the outside world Choose the incorrect statement in terms of Objects. a) Objects are abstractions of real-world b) Objects can't manage themselves c) Objects encapsulate state and representation information d) All of the mentioned The UML was designed for describing a) object-oriented systems b) architectural design Which of the following view shows that the system is composed of interacting process at run time? a) physical b) development c) logical d) process 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 testing the system b) repository pattern c) an layered pattern b) repository pattern d) different operating system Which of the following type describes application architectures? Transaction processing applications b) Language processing systems

All of the mentioned

d)

Source code

2	02 L	SOFTWARE ENGINEERING		
4	5. S	oftware evolution does not comprises	3:	the same of the time area and the same and t
	a) c)		(b) (d)	Negotiating with client Re-engineering activities
40			natch	changes in the ever changing environment
	fa	lls under which category of software	maint	enance? Author yed state (
	a)		<b>b</b>	Adaptive a look of work of the look
	c)	Perfective	d)	Preventive productive and antist as
47		combines procedures and to	ools to	manage different versions of configuration
	ob	jects that are created during the softw	vare p	rocess. anilest sombA 6
	a)	Configuration status reporting	b)	change control
	0	version control	d)	system building
48	. W	hich of the following is not software	config	uration management activity?
	a)	change management	6)	risk management
	c)	version management	d)	release management
49.	Th	e process of generating analysis and	design	
	a)	Software engineering	b)	Software re-engineering
	(c) I	Reverse engineering	d)	Re-engineering
50.	CN	/M stands for	0	a) White box testing
	a)	Capability Management Module		c) Grey box, testing
	b)	Conservative Maturity Model		II. CMM model is a technique of
	c) (d)	Capability Maturity Module Capability Maturity Model		a) developing software
F1				c) improve that sting process
51.	expe	ch of the following risk is the fa ected?	ilure	of a purchased component to perform as
	(a)	Product risk	b)	Project risk
	c)	Business risk	d)	Programming risk
52.	Wha	t assess the risk and your plans for about the risk?	risk 1	mitigation and revise these when you learn
	0	Risk monitoring	d L	D. I
		Risk analysis	b) d)	Risk planning Risk identification
3.	Whic	ch of the following risks are derived		the organizational environment where the
	softw	vare is being developed?	HOII	the organizational environment where the
	a)	People risks	b)	Toobs 1
	c) 1	Estimation risks	(a)	Technology risks Organizational risks
				o — adolar risks

54.	Which of the following strategies means that the impact of the risk will be reduced?							
	a)	Avoidance strategies		6)	Minimization strategies	1.(q)		
	c)	Contingency plans		d)	All of the mentioned	(5) .8		
55.	Every task that is scheduled should be assigned to a specific team member is termed as							
	a)	Compartmentalizatio	n	b)	Defined milestones			
	0	Defined responsibility	ies (b)	d)	Defined outcomes	21. (d)		
56.	Which of the following is a project scheduling method that can be applied to software							
	deve	elopment?		33,	th) SE (d)	(6) .18		
	a)	PERT 18 08	(6)	b)	CPM DIATE	36.(4)		
	c)	CMM		(a)	Both PERT and CPM	41.4b)		
57.	Whi	ich of the following co	sts is not part of	the	total effort cost?	(d)2.a+		
	a)	Costs of networking	and communica	tion	12 TE SET (8) - 100 II			
	b)	Costs of providing h						
	0	Costs of lunch time f	ood		62. (b)	(0) .10		
	d)	Costs of support staf	f		THE WAR DESIGNATION OF THE PERSON OF THE PER			
58.	A is developed using historical cost information that relates some software							
	metric to the project cost.							
	(a)	Algorithmic cost mo	deling	b)	Expert judgment			
	c)	Estimation by analog		d)	Parkinson's Law			
59.	Wh	ich technique is app	licable when o	ther	projects in the same analogous	ogy application		
	dor	nain have been compl	eted?					
	a)	Algorithmic cost mo	deling	b)	Expert judgments			
	0	Estimation by analog		d)	Parkinson's Law	51		
60	TATE			crea	ted from reusable compone	nts, scripting o		
60.	database programming?							
		An application-comp	position model	b)	A post-architecture model			
	(a)	A reuse model		d)	An early design model			
61			tates that work	expa	nds to fill the time available	?		
61.				b)	Pricing to win			
	a)	CASE tools Parkinson's Law		d)	Expert judgments			
	-							
62.	CC	OCOMO stands for		(6)	constructive cost model			
	a)	common cost model		(b)	constructive cost model comprehensive cost model			
	100	POLOTO COST HICOGE	A STATE OF THE PARTY OF THE PAR		The state of the s	And the second s		

## 204 SOFTWARE ENGINEERING

Throughouse	o diversiais estricum	ANSWERS	olio	t and to right Way
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) body	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)	MM45. (b)
46. (b)	47. (c)	Islo 48. (b) sq to	49. (c) rollol	
51. (a)	52. (a)	53. (d)	54. (b)	55. (c)
56. (d)	57. (c) 908q	90ff 58. (a)	<b>-</b> 0 (1)	60. (a)
61. (c)	62. (b)			to ateo ) (a)

is developed using histonen information that relates some software

metric to the project cost, ions, and

c) analysis

# University Faculty of Humanities & Social Sciences OFFICE OF THE DEAN

#### Examination 2019

Co	chelor in Computer applications urse Title: Software Engineering de No: CACS 253 mester: IV ndidates are required to answer the question	s in their own words as fa	Full Marks: 60 Pass Marks: 20 Time: 3 hours or as possible.					
	Grou	p A	Torrette Ord 1					
Att	empt all the questions.	44.4	10×1=1					
1.	Circle (O) the correct answer.	named hal troubled still de	trio singino annimo					
i)	Which one of the following is not a phase of	of Prototyping Model?	software Engineeri					
	a) Quick Design	b) Coding	Maxin, McG					
	c) Prototype Refinement	d) Engineer Product						
ii)	What is the major drawback of using RAD	Model?						
	a) Highly specialized & skilled developer							
	b) Increase reusability of components							
	c) Encourages customer/client feedback							
	d) Increases reusability of components, hi	ghly specialized & skilled						
	developers/designers are required	/						
iii)	Which one of the following is not a softwar	re process quality?						
	a) Productivity	b) Portability						
47	c) Timeliness	d) Visibility						
iv)	Which phase of the RUP is used to establish	h a business case for the sy	stem?					
	a) Transition b) Elaboration							
v)	Which one of the following is not a fur- software engineering?	ndamental activity for so	oftware processes i					
	a) Software Verification	b) Coffman Walidati						
	c) Software design and implementation	b) Software Validation						
vil		d) Software evolution						
vi)	User requirements are expressed as		ing.					
	a) implementation tasks	b) functionalities						
::\	c) scenarios	d) none of the mention						
vii)	Which one of the following is not a step of							
	a) elicitation	b) design						

d) documentation

- viii) Which one of the following is a functional requirement?
  - a) Maintainability

b) Portability

c) Robustness

- d) None of the mentioned
- ix) 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
- x) Requirements analysis is critical to the success of a development project.

a) True

b) False

c) Depends upon the size of project

d) None of the mentioned

Bachelor in Computer applications

Course Title: Software Engineering

Code No: CACS 253

Semester: IV

Group B

#### Attempt any SIX questions.

 $[6 \times 5 = 30]$ 

Full Marks: 60

Pass Marks: 24

Time: 3 hours

- What are the attributes of good software? What are the key challenges that software engineering face during software development? Explain.
- What is software process model? List the types of software model. Explain agile methods and software prototyping.
- What are the types of software requirements? Explain functional, non-functional, domain and user requirements.
- Define software design concept and modularization? Differentiate cohesion and coupling.
- Why User Interface design is so important? How UI design visualized? Discuss.
- Why software maintenance is considered as major component in SDLC? Explain software maintenance types.
- 8. What do you mean by configuration management? Why it is important? Explain.

#### Group C

### Attempt any TWO questions.

 $[2 \times 10 = 20]$ 

- What are the skills necessary to handle software project? Explain different software projects management activities.
- 10. What are ISO quality standards? Discuss ISO9000 and ISO9001. Explain Black box testing and white box testing techniques.
- 11. What are the techniques that are used to elicit and analysis of requirements during software requirements analysis and specification? Explain all.