Software Management and Maintenance Technique(Questions)

What is software	Selons)
2. What is software maintenance? (2010,201) 3. What is the objective of software maintenance. (20)	2,2014,2016,2017,2018) 12,2014,2016,2017
3. What is the objective of maintenance? 4. Explain maintenance?	12,2014,2016,2017,2018)
4. Explain maintenance?	(20 ₁₈)
S.Write short note and software engineering.	(2010
S. Write short note on software configuration management. 6. Distinguish between configuration management and change	(20 ₁₀₎ (20 _{13,2014,2015)}
configuration management and change	ge management.
	(2014 -
7. What is CCB?	dentification of the
8. What are the tasks of configuration control board?	(2011)
9. What is meant by software costing and software pricing?	(2010)
Or, Discuss about different types of sec.	(2010)
Or, Discuss about different types of software cost estimation	(2010,2011,2013)
11.Explain ham to be add the first of the second to the se	on technique.
11. Explain how cost estimation can be achieved using functio	(2014,2016)
\ \2. State the COCONE	
13. Discuss in A.	(2010.2013)
about the basic COCOMO model in and	(2010,2013,2017,2016)
	estimation of the S/W.
	(00
Or, Show with diagram the best with a brief description. (2009,2011)	,2012,2013,2016,2018)
What are building blocks of CAGE	(2009)
16. What is SQA?	(2009,2012,2014,2018)
	3,2014,2015,2017,2018)
19. Describe S/W quality factors according to McCall.	(2014,2017,2018)
20. What are the factors affecting software pricing?	(2010,2015)
21. Write short note on software re-engineering? 22. Explain software re-engineering.	
22. Explain software re-engineering process activities with figure 23. Distinguish to the constitution of	(2009,2017)
22. Explain software re-engineering process activities with figure 23. Distinguish between re-engineering and reverse with figure 24. Write short	re. (2003,2017)
25. Distinguish between we	re. (2013)
Tiville silori note on a	re. (2013)
25. What is 40-20-40 rule in software engineering?	(2014,2017)
26. Write down the guidelines of FTR(Formal Technique Reviews.	(2010)
setween walkthrough and review	
	(2010,2017)

Software testing technique and strategies

1. What is testing? What is the objective of testing?2009,2012,2013,2018) 3/ What is software testing strategy?(2011,2012,2018) 4. Explain different testing strategy in brief.(2009) 5. Briefly describe different types of test. Or, Describe the basic path of testing. (2009) What are the testing principles the software engineering must apply while performing the software testing (2012,2013,2017,2018) 7. What are the boundary value problem.(2014) g/ Define debugging.(2011,2012,2016,2018) What are the common approaches in debugging? (2012,2016,2018) 10. Describe the checklist software testability.(2013) What do you mean by white-box-testing?(2009,2015,2018) 12. Define black box testing.(2010,2012,2015,2018) 13. What are reason behind performing white box testing?(2012) Or, what re reason behind perform white box testing and black box testing?(2014) 14. What do you mean alpha and beta testing?(2014) 15. Write short notes on: ✓ Software error and faults.(2009) ✓ Integration testing.(2010) ✓ Top down and bottom up integration testing.(2013,2017) ✓ Loop testing.(2010,2011,2016) 16. Why verification and validation is important in testing? (2011,2014,2018) 17. What are the conditions that exist after performing validation testing? (2014) 18. Distinguish between white box testing and black box testing.(2011,2013,2015,2016) 19. Distinguish between alpha and beta testig.(2009,2012) 20. Distinguish between unit and module testing. (2009) 21. Distinguish between validation and verification. (2012, 2014, 2018) 22. What is cyclomatic complexity?(2014,2016) 23. How to compute the cyclomatic complexity? (2014,2016s) 24. Calculate the cyclomatic complexity gor the greatest three numbers.(2010)

25. What are the guidelines for equivalence partitioning? (2013)

Software design fundamentals

1.0	(0010)
1. State the definition of software architecture and software design.	(2010)
a Explain design process with diagram.	steamto- ad Milian
and the logical construction of design.	(2011)
What do you mean by design process? agis ob soft with the salatoning	(2011)
Or, define software design process.	(2014,2018)
what are the objective of software design?	(2013)
What are the guideline for a good software design process?	(2009,2015)
Or, what re the guidelines that will lead to a good design?	(2012,2017)
6. Describe procedural design with diagram thous and quot did so those	(2011)
How do we transform an informal design to a detailed design?	(2013,2017)
8. How is software design different from coding?	(2013)
9. What are the concept of following design pattern when coding?	(2009)
10. Mention and briefly discuss some of the software design principles.	(2010,2012)
&What are the factors for effective module design?	(2014)
& Define cohesive and coupling in context of modularity.	(2009)
1). &Discuss about different types of coupling in the context of s/w design	n.
TY. & Discuss about different syr	(2012,2014)
& Discusss about different types of cohesion in the context of software	are design.
	(2013)
12. What problem arises if two modules have high coupling?	(2013)
	2018)
13. Distinguish between concion and coup3	012,2013,2017)
Via. Wille short note on object oriented potential original	
& Explain various object oriented concept used in software engineering	(2012,2014)
25. Expain different type of design principles of software.	(2012, 2017)
&Differentiate horizontal and vertical partitioning.	(2012, 2017)

Software design fundamentals

	(0010)
1. State the definition of software architecture and software design.	note (ab(2010) to a Circle,
2 Explain design process with diagram.	tid Why software archite
On Describe logical construction of design.	ostrom (2011) mertage
What do you mean by design process? agreed soft will be to a	alqiann (2011) alqiz 100
Or define software design process.	no 2510 (2014,2018)
What are the objective of software design? (GACI) MESTE	sib woll (2013)
What are the guideline for a good software design process?	ash situ (2009,2015)
Or, what re the guidelines that will lead to a good design?	mi ogia (2012,2017)
6. Describe procedural design with diagram monte and quot algid s	ss22.Col(1.102).hould be
7. How do we transform an informal design to a detailed design?	(2013,2017)
8. How is software design different from coding?	(2013)
9. What are the concept of following design pattern when coding?	(2009)
10.Mention and briefly discuss some of the software design princip	ples. (2010,2012)
&What are the factors for effective module design?	(2014)
& Define cohesive and coupling in context of modularity.	(2009)
1). & Discuss about different types of coupling in the context of s	/w design.
17. &Discuss about different sypes of the	(2012,2014)
& Discusss about different types of cohesion in the context of	
& Discuss about different types of concion in the context of	(2013)
to very	(2013)
12. What problem arises if two modules have high coupling?	
13. Distinguish between cohesion and coupling	(2018)
	(2009,2012,2013,2017)
& Explain various object oriented concept used in software en	gineering (2014)
15. Expain different type of design principles of software.	(2012,2014)
&Differentiate horizontal and vertical partitioning.	(2012, 2017)

Requirements Analysis fundamentals(Quest

The contract of the delication of the contract	Anestio
Define requirements engineering (2011,2018)	100
Define requirements engineering. (2011,2018) &what are the different types of user requirement process?	T-May A
&what are the different types of user requirement process? What is the functional and non-functional requirement of software engine &List some non-functional requirements of software and decrease.	(2012,2017) neering? Example 1
&List some non-functional requirements of software and describe them	(20 _{10,2017,20}
&List some non-functional requirements of software and describe them. &Explain the functional and nonfunctional requirements of software engi 3. What do you know about software requirement are as a	neering proces
WHILE SHOLL HOLE ON SOMWARE PROVIDED	(20]
4. Distinguish between requirement definition.	(201)
4. Distinguish between requirement definition and requirement specification. 5. Define the term stack holder and use case.	(2012)
6.All stack holder should be invest.	(2013)
&Brief the process patients.	(2011,2013,2015
6. All stack holder should be involved in requirement elicitation and analysis 8. Draw a use case diagram that depicts the extension of the specification and analysis.	with figure (2014
8. Draw a use case diagram that depicts the structural requirements of a Libr 9. Draw and explain a use-case diagram f	(2014)
system.	(2012)
9.Draw and explain a use	ary Management
9.Draw and explain a use-case diagram for an e-commerce system. 10.What is use case" Depict the online flight reserved.	(2009)
online flight reservation and	
10. What is use case" Depict the online flight reservation system using use ca	se diagram.(2018)

Chapter -1

Software Engineering Paradigms (Questin

September 11 September 12 Septe	101
1. What is software engineering? [2009,	2011
or, Give the IEEE definition of software engineering. [2010,	2011,20 _{13,2014} 2012,20 _{15,2018}
2. What do you mean by software quality?	12,20181
3. Classify the qualities of software.	[2013]
4. List the characteristics of software quality.	(2018)
5. State and explain some qualities that are used to access software.	[2013]
Or, State and explain four qualities that are used to access software.	[20]4]
6. Explaine the attribute of a good software product. [2]	[20 _{10]} 012.20 _{16,2017]}
7. What are the objectives of software engineering.	
Mention the key challenges facing four qualities that are used to a	[20]]]
Mention the key chancing is moning in [20)10,2013,2015]
What is meant by software quality assurance?	[2010,2017]
10.Discuss about the professional and ethical responsibilities of a sof	
11. Define agility and agile team.	(2014)
12. Describe the principles of agile method.	(2014)
Or, write down the principles of agile process method. (20)	12,2013,2017)
13. What do you know about the software crisis?	(2010)
14. Write short note on legacy software.	(2013)
15. Write short note on CMM.	(2013)
&What is CMM?	(2011)
& State and explain process maturity level in SELs CMM.	(2014)
Or, Describe the five levelsl defined in the SEI process maturity mo	del. (2011)
16.Distinguish between ISO 9000 and SEI CMM.	(2010)
the state of the s	A Company of the Comp

What are the difference between software engineering and system engineering? (1009,2011,2016,2018)

18 Distingush between software engineering and computer science. (2011, 2012)

19 Write short note on software prototyping (2014.2013)

Or Describe prototyping process method. (2009)

Or, Give a brief description of software prototyping and discuss various prototyping techniques in a nutshell. (2011)

20 Distingush between evolutionary prototyping and throw away prototyping.

(2012, 2014)

21. What is software engineering process? (2009)

22.Discuss generic view of software engineering. (2010, 2016)

Or, State and explain the generic activities followed in all software process. (2011)

23. What are the umbrella activities of software engineering? (2012,2014,2018)

24.Briefly describe each step of software development life cycle(SDLC). (2009,2016)

28 Explain waterfall model with merits and demerits. (2010, 2012, 2015, 2016)

26.Explain incremental software process model with merits and demerits.(2013,2018)

27. Write short note on RAD software process mode. (2014)

28. Write the application of the evolutionary development model.

(2012, 2014, 2015, 2017) Write short note on spiral model.

29.Discuss rational unified process (RUP) model with meritss. (2011, 2014)

30. Writeb short note on V & V software process model. (2013, 2015, 2016)