R20 Code No: **R20A0511** MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY (Autonomous Institution – UGC, Govt. of India) **III B.Tech I Semester Regular Examinations, December 2022 Software Engineering-SET-1** (CSE, IT, CSE-CS, CSE-AIML, CSE-IOT) Roll No Time: 3 hours Max. Marks: 70 **Note:** This question paper Consists of 5 Sections. Answer **FIVE** Questions, Choosing ONE Question from each SECTION and each Question carries 14 marks. **SECTION-I** 1 Discuss about failure curves for hardware and software with a neat diagram. [7M] A Illustrate about generic process framework activities for software B [7M] engineering. OR Describe about software engineering layers with a neat diagram. 2 Α [7M] Differentiate between waterfall and incremental model. В [7M] **SECTION-II** 3 Illustrate about Functional Requirements and Non-functional Requirements. [7M] Α В Interpret about the feasibility studies of requirements engineering process. [7M] OR 4 Describe about requirements validation and management. [7M] A Explain about the importance of sequence and activity diagrams in system В [7M] design. **SECTION-III** Describe about translating the requirements model into the design model. 5 Α [7M] B [7M] OR Briefly explain about software design concepts. [7M] 6 Α Discuss about the 3 golden rules of performing user interface design. В [7M] **SECTION-IV** Analyze about flow graph notation and independent paths with an example 7 [7M] Α В Briefly explain about different categories of risks in risk management. [**7M**] OR Describe about graph-based testing methods with an example. 8 Α [7M] Elaborate about RMMM plan in software projects. В [7M] **SECTION-V** Discuss about the elements of software quality assurance. 9 [7M] Α B Briefly explain about software reliability in software projects. [7M] OR 10 Α Describe about the software quality in software development. [7M] B [7M] *******

Code No: R20A0511 MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous Institution – UGC, Govt. of India)

III B.Tech I Semester Regular Examinations, December 2022

Software Engineering

(CSE, IT, CSE-CS, CSE-AIML, CSE-IOT)										
Roll No										

Time: 3 hours

Max. Marks: 70

Note: This question paper Consists of 5 Sections. Answer **FIVE** Questions, Choosing ONE Question from each SECTION and each Question carries 14 marks.

SECTION-I

		SECTION-1	
1	Α	Briefly explain about advantages of prototype model with a neat diagram.	[7M]
	В	Describe about different types of software myths.	[7M]
		OR	
2	A	Elaborate about the unified process model with a neat diagram.	[7M]
	В	Interpret about personal and team process models in software development.	[7M]
		<u>SECTION-II</u>	
3	Α	Illustrate about software requirements document with an example.	[7M]
	В	Discuss about functional and non-functional requirements with an example.	[7M]
		OR	
4	Α	Describe about structural and behavioral diagrams in uml.	[7M]
	В	Interpret about requirements elicitation and analysis in requirements	[7M]
		engineering process	
		SECTION-III	
5	Α	Describe architecture in software design.	[7M]
	В	Outline the different types of architectural styles used in developing a	[7M]
		software product.	
		OR	
6	Α	Briefly explain about importance of data-centered architecture with a neat	[7M]
		diagram.	
	В	Elaborate about the user interface analysis and design in software	[7M]
		development.	
		SECTION-IV	
7	Α	Analyze about unit testing and integration testing.	[7M]
	В	Briefly explain about debugging process with a neat diagram.	[7M]
		OR	
8	Α	Describe about black-box testing with an example.	[7M]
	В	Differentiate between reactive vs proactive risk strategies.	[7M]
		SECTION-V	
9	Α	Discuss about the important activities involved in management of software	[7M]
		quality assurance.	
	В	Briefly explain about goals attributes and metrics of software quality	[7M]
		assurance.	
		OR	
10	Α	Describe about the measures of reliability and safety in software quality	[7M]
		assurance.	
	В	Analyze about the iso 9000 quality standards	[7M]



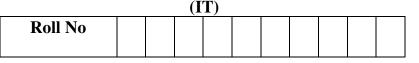
Code No: **R18A0511**

MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous Institution – UGC, Govt. of India)

II B.Tech II Semester Supplementary Examinations, December 2022

Software Engineering



Time: 3 hours

Max. Marks: 70

Note: This question paper Consists of 5 Sections. Answer **FIVE** Questions, Choosing ONE Question from each SECTION and each Question carries 14 marks.

SECTION - I

a) Briefly discuss the advantages and drawbacks of waterfall model. [7M]
b) Explain the basic principle of Prototyping with an example. [7M]

OR

2. a) Discuss the evolving role of software in light of present day software applications. [7M]b) Express your understanding on the umbrella activities of a software process. [7M]

<u>SECTION – II</u>

- 3. a) "Non-functional requirements are also essential for customer satisfaction"-Justify this statement with suitable justification. [7M]
 - b) Write short note on requirements validation process. [7M]

OR

- 4. a) What are the essential components of SRS document? Explain by taking a simple application of your choice. **[7M]**
 - b) Distinguish between functional and non-functional requirements. [7M]

SECTION – III

5. a) What are the golden rules of user interface? Briefly explain. [7M]b) How can we assess the design quality? Briefly explain. [7M]

ÔR

6. a) What is the role of software architecture? Describe different software architecture styles.[7M]b) Write short note on key activities in Object Oriented Design, [7M]

SECTION – IV

- 7. a) Distinguish between black box and white box testing by taking an example software application of your choice. **[7M]**
 - b) How could you achieve 100% testing coverage? Explain. [7M]

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- 8. a) What do you understand by software testing and how can you decide that the testing can be stopped. **[7M]**
 - b) "It is always advisable to identify and fix the bug during execution phase"-Justify this statement with suitable justification. **[7M]**

<u>SECTION – V</u>

- 9. a) Write short note on RMMM plan. [7M]
 - b) What are the various categories of risks? Give an overview about Risk Management. **[7M]**

OR

10. What is the need of Risk Management and explain various activities connected to Risk Management? [14M]

Code No: R18A0511

Time: 3 hours

MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY (Autonomous Institution – UGC, Govt. of India) II B.Tech II Semester Supplementary Examinations, February 2022 Software Engineering

		(1	I)			
Roll No						

Max. Marks: 70

R18

Note: This question paper Consists of 5 Sections. Answer **FIVE** Questions, Choosing ONE Question from each SECTION and each Question carries 14 marks.

SECTION-I

	<u>SECTION-I</u>	
1	a) Explain about process frame work in software engineering.	[8M]
	b) Explain different applications of software.	[6M]
	OR	
2	a) Explain the unified process model with a neat sketch.	[10M]
	b) Write a short note on extreme programming.	[4M]
	SECTION-II	
3	a) Explain about requirements elicitation and analysis.	[8M]
	b) Explain about system requirements and user requirements.	[6M]
	OR	
4	What is a system model? Explain different types of system models.	[14M]
	<u>SECTION-III</u>	
5	a) Explain about software architecture with suitable example.	[8M]
	b) Discuss about data design.	[6M]
	OR	
6	a) How can you design user interface? Explain.	[8M]
	b) Briefly explain object oriented design process.	[6M]
	SECTION-IV	
7	a) What do you mean by software testing? Explain about integration testing.	[8M]
	b) Explain about system testing.	[6M]
	OR	
8	a) Explain different software product metrics.	[10M]
	b) Write a note on software quality factors.	[4M]
	SECTION-V	
9	Explain about risk management.	[14M]
	OR	
10	a) Explain about CMMI.	[7M]
	b) What is the need of Software Quality Assurance.	[7M]

R18

Code No: R18A0511 MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY (Autonomous Institution – UGC, Govt. of India) II B.Tech II Semester Regular/Supplementary Examinations, July 2021 Software Engineering

				(IT)						
		Roll No								
Time: 3	8 hours							lov I	Marks: 7	Δ
1 1110.	JIIOUIS		Answer A	Any Five	Question	S	IV.	lax. 1	viai K5. 7	0
				•	equal ma					
			C C	***		D	•1	• ,		
1		ne the term acteristics.	Softwar	e Engii	neering.	Desc	ribe	its	various	[7M] [7M]
	b) State	e and explain	various	types	of softw	ware r	nyths	rel	ated to	
	man	agement.								
2		1 XX7. (C. 1	1 1 .1	· 1	. 1.					[10] [1
2		xplain Waterfal			-		ərfall	mod	lel	[10M] [4M]
	0) **		ages and		untages		JIIaII	mov		[
3	a) Ex	xplain clearly a	bout sof	tware re	quireme	ents do	cume	ent.		[7M]
	,		between	func	tional	and	nor	n-fur	nctional	[7M]
	ree	quirements.								
4	Discuss	about principa	l requir	ements	enginee	erino n	roces	s ac	rtivities	[14M]
-		eat diagram.	ii requii	ements	enginee	¹¹¹¹ 5 P		55 a.		
		C								
5		e taxonomy of	architect	tural sty	les and g	give a	brief	desc	cription	[14M]
	of each s	style.								
6	a) Ex	xplain about us	er interf	ace desi	σn					[8M]
Ū		plain the golde			-	e desig	n.			[6M]
						-				
7	,	xplain about un	-			-				[7M]
		rite the different	nces bet	ween bla	ack box	testing	g and	whi	te box	[7M]
	ies	sting.								
8	a) Ex	plain about for	rmal tec	hnical re	eviews.					[7M]
		hat is RMMM	? Explai	n about	RMMM	I plan.				[7M]
			**	*****	**					

Code No: R18A0511 MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY (Autonomous Institution – UGC, Govt. of India) III B.Tech I Semester Regular/Supplementary Examinations, Dec-21/Jan-22 Software Engineering

Software Engineering (CSE)												
		Roll No										
Time:	3 hours								M	[ax.]	Marks: 70	
Note:	Note: This question paper Consists of 5 Sections. Answer FIVE Questions, Choosing ONE											
Questi	Question from each SECTION and each Question carries 14 marks.											
			<u>S</u>]	ECTIC	DN-I							
1	List and e	xplain the followi	ng								[7	7M]
	a) Activiti	ies of generic pro	cess frame	ework	for soft	ware	e eng	inee	ring			
	b) Umbre	lla activities									[7	7M]
				OR								
2	What is a software myth? Explain the changing nature of the software.									[14	4M]	
	SECTION-II											
3	List and explain distinct tasks of requirements engineering								[14	4M]		
	OR											
4	4 Explain the Functional and Non-Functional requirements								[14	4M]		
			<u>SE</u>	CTIO	N-III							
5	What is de	esign process? Ex	plain the	charact	eristic	s of g	good	desi	gn		[14	4M]
				OR								
6	What is so	oftware architectu	re? Why	is it so	import	ant?.					[14	4M]
			<u>SE</u>	CTIO	N-IV							
7	What is so	oftware testing? E	xplain un	it testir	ng in de	etail.					[14	4M]
				OR								
8	Explain th	ne metrics for Tes	ting?								[14	4M]
SECTION-V												
9	Differenti	ate between Reac	tive and F	Proactiv	ve risk	strate	egies				[14	4M]
				OR								
10	Define RN	MMM? Explain R	MMM pl	an in d	etail						[14	4M]
			*:	*****	***							

Code No: R18A0511 MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY (Autonomous Institution – UGC, Govt. of India) III B.Tech I Semester Supplementary Examinations, July/August 2021 Software Engineering

(CSE)										
Roll No										

Time: 3 hours

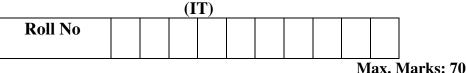
Max. Marks: 70

Answer Any **Five** Questions All Questions carries equal marks. ***

1	a)Discuss about the role of Changing Nature of Software and Software myths in	[7M]
	software engineering	[7M]
	b)Explain spiral model with its merits and demerits	
2	a) Explain in detail about various process models.	[7M]
	b) What is the role of process assessment in the process framework	[7M]
3	a) Differentiate between functional and non-functional requirements.	[7M]
	b) Discuss the various steps in requirement engineering. What are the work	[7M]
	products of engineering the requirements?	
4	a)Explain the Functional and non-functional requirements in requirement	[7M]
	engineering	[7M]
	b) Explain Context Models and Behavioral models with their importance	
5	a)Define Software architecture. Explain why it may be necessary to design the	[7M]
	system architecture before the specifications. Compare function oriented and	[7M]
	object oriented designs.	
	b)What do you mean by the terms cohesion and coupling in the context of	
	software engineering? How are these concepts useful in arriving at a good design	
	of a system explain with example.	
6	a)Explain the process of mapping dataflow into software architecture.	[7M]
	b)List the golden rules of user interface design	[7M]
7	a) What do you mean by risk management? Explain how to select the best risk	[7M]
	reduction technique when there are many ways of reducing a risk?	[7M]
	b) Explain about formal technical reviews.	
8	a)Define software quality assurance .State various SQA activities	[7M]
	b) What are the main objectives of Software verification and validation?Briefly	[7M]
	explain different V and V techniques.	

Code No: R18A0511 MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY (Autonomous Institution – UGC, Govt. of India) II B.Tech II Semester Regular Examinations, October/November 2020

Software Engineering



Time: 2 hours

Answer Any Four Questions

All Questions carries equal marks.

- 1 a) Define software engineering and discuss about software myths
 - b) Illustrate the software process framework
- 2 a) Compare the incremental model and spiral model with neat diagram
 - b) List out the merits and demerits of waterfall model
- **3** What do you mean by feasibility study? Demonstrate functional and non-functional requirements with suitable examples
- 4 Explain the data models with suitable examples
- **5** a) Explain Golden rules for user interface design
 - b) Discuss about Software architecture
- 6 Explain in detail about object oriented design process with suitable examples
- 7 a) Illustrate a strategic approach to software testing
 - b) Explain the concept of Debugging
- 8 What do you mean by SQA and Explain the ISO 9000 Quality Standards

R18

Code No: R18A0511 MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY (Autonomous Institution – UGC, Govt. of India) III B.Tech I Semester Supplementary Examinations, June 2022 Software Engineering

	(CSE)											
		Roll No										
Time: 3 hours Max. Marks: 70 Answer Any Five Questions All Questions carries equal marks. ***												
1	With a nea	at diagram explair	the spir	al mo	del							[14M]
2	Explain the phases of unified process model with a diagram										[14M]	
3	Explain the following with respect to requirements validation											
	a) Different types of checks										[7M]	
	b) Requirements validation techniques										[7M]	
4	Explain in	n detail about Ever	nt-driven	and I	Data-dı	riven r	node	ling				[14M]
5	Explain o	bject oriented desi	gn proce	ess usi	ng UN	1L						[14M]
6	Explain th	ne following softw	are archi	tectur	es							
	a) Data flow Architecture								[7M]			
	b) Call and Return Architectures									[7M]		
7	Explain black-box and White-box testing								[14M]			
8	Explain Capability Maturity Model Integration (CMMI) in detail								[14M]			
			*	****	*****							

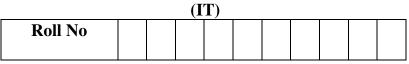
R18

Code No: R18A0511 MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous Institution – UGC, Govt. of India)

II B.Tech II Semester Supplementary Examinations, June 2022

Software Engineering



Time: 3 hours

Max. Marks: 70

Answer Any **Five** Questions All Questions carries equal marks.

- 1. Discuss various phases of waterfall model in detail. (14M)
- 2. a) What is unified process? Discuss its suitability to present day software applications (7M)b) Write short note on various categories of myths connected to software industry.(7M)
- 3. a) What is the use of an Activity diagram and draw an activity diagram for withdrawing money from a Bank ATM. (7M)
 - b) How do you create a process that can manage requirements unpredictability?Explain. (7M)
- 4. a) Draw the sequence diagram for booking an item in an online ecommerce website. (7M)b) Explain software requirements engineering process in brief. (7M)
- 5. a)What are the merits of an Object Oriented Design process? Explain. (7M)b) Write short note on Design concepts. (7M)
 - b) while short note on Design concepts. (111)
- 6. a) What is modularity and write its importance by keeping maximization of cohesion and minimization of coupling as the basis. (7M)
 - b) "Work breakdown structure helps in on time delivery of software products". Justify this statement. (7M)
- 7. a) Why does software testing need extensive planning? Explain. (7M)
 - b) Write short note on the metrics for software design model. (7M)
- 8. a) Write short note on CMMI and its role in quality improvement. (7M)
 - b) What is the importance of FTR in software quality assurance and write various steps in carrying out FTR. (7M)



Code No: R18A0511 MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY (Autonomous Institution – UGC, Govt. of India)

III B.Tech I Semester Supplementary Examinations, November 2022 Software Engineering

(CSE)

Roll No

	This	Max. Marks: 70 question paper Consists of 5 Sections. Answer FIVE Questions, Choosing ON om each SECTION and each Question carries 14 marks. ***	
		SECTION-I	
1	A	List the general principles & Process Frame work in software engineering	[7M]
	B	Compare different types of myths in Software Engineering	[7M]
		OR	
2	A	Discuss in detail about the layers involved in Unified Process model	[7M]
	B	Sketch and explain Evolutionary model.	[7M]
		<u>SECTION-II</u>	
3	A	Classify different types of Requirements.	[4M]
	B	Discuss how an engineer responsible for drawing up a system requirements	[10M]
		specification might keep track of the relationships between functional and	
		non-functional requirements.	
4		OR What is the maximum of maximum to Environment 2 Departite its formation	
4	A	What is the main aim of requirement Engineering? Describe its four sub-	[7M]
	B	processes and deliverable of each sub-process? What is SPS Decument? Explain in datail shout the structure of a software	[7]]
	D	What is SRS Document? Explain in detail about the structure of a software requirement document	[7M]
		SECTION-III	
5	A	Explain about the various design concepts considered during design?	[7M]
U	B	With a neat diagram, explain various architectural styles & patterns?	[7M]
	D	OR	[,]
6	A	Explain the following terms with respect to software design:	[7M]
		(i) Data design (ii) architectural design with neat Examples	
	B	Describe the golden rules of User Interface Design	[7M]
		SECTION-IV	
7		What is black box testing? Explain the different types of black box testing	[14M]
		strategies. Explain by considering suitable examples.	
		OR	
8	A	Discuss in detail about various software testing strategies.	[7M]
	B	What are the Various Metrics used for analysis and Design?	[7M]
c		SECTION-V	F
9	A	Propose RMMM plan for "staff inexperienced" risk while developing a	[7M]
	р	software project	ር <i>ማ</i> እ <i>ፈ</i> ገ
	B	What is the necessity of Quality assurance in Software Engineering?	[7M]

OR

10	A	What is Meant by Software Quality? Give an overview of various software	[7M]
	B	Quality factors? What is SQA? Discuss in detail SQA Activities?	[7M]

Code No: R17A0511 MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY (Autonomous Institution – UGC, Govt. of India) **II B.Tech II Semester Supplementary Examinations, February 2022**

Software Engineering

(IT)														
Roll No														

Time: 3 hours

Note: This question paper Consists of 5 Sections. Answer FIVE Questions, Choosing ONE Question from each SECTION and each Question carries 14 marks.

*** **SECTION-I**

1	a) Discus the evolving role of Software.	[8M]
	b) What is Team Software Process and list out its objectives?	[6M]
	OR	

2 How the waterfall and the prototyping models can be accommodated in the spiral [14M] process model. Analyze.

SECTION II

	<u>SECTION-II</u>	
3	a) What is requirement engineering? State its process and illuminate the	[8 M]
	requirements of elicitation problem.	[6M]
	b) Why the customer interaction is a difficult process? Explain one formal	
	procedure used for customer interaction.	
	OR	
4	a) Differentiate between data models and object models with illustration	[7 M]
	b) How do you fit the right prototyping approach in software system models?	[7M]
	Explain.	
	SECTION-III	
5	a) Illustrate design quality in the context of design engineering.	[7M]
	b) How Software architecture is useful in creating an architectural design.	[7M]
	OR	
6	Explain about the User interface analysis and design.	[14M]
	SECTION-IV	
7	a) Contrast the validation testing with system testing.	[7M]
	b) Interpret the art of debugging in software testing methodology.	[7M]
	OR	
8	Discuss about the Metrics for testing and source code.	[14M]
	SECTION-V	
9	a) Illustrate reactive vs. proactive risk strategies in risk management.	[7M]
	b) How far the risk refinement is useful in risk management.	[7M]
	OR	
10	a) Describe the software quality assurance.	[7M]
	b) Exemplify software reliability.	[7M]

R17

Max. Marks: 70

R17 Code No: **R17A0511** MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY (Autonomous Institution – UGC, Govt. of India) II B.Tech II Semester Supplementary Examinations, July 2021

Software Engineering **(IT)**

Roll No

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Time:	Time: 3 hours Max. Marks: 70													
Answer Any Five Questions All Questions carries equal marks.														
		All	Ques	tions	s carries ***	equa	l ma	rks.						
1	a) What do you mean by Software Myth? Explain Management Myths and Customer Myths										[7M]			
	Customer Myths.b) Explain a generic process framework for software engineering activities.									[7M]				
2	Explain the process areas required to achieve various maturity levels in CMMI.									[14M]				
3		rentiate between f	unctio	onal	and nor	-func	ction	al re	quire	emen	ts in	softwa	are	[7M]
	U	cit effects on softw	vare r	equi	rement o	collec	tion	?						[7M]
4	Interpret t	the Context Model	s and	Beh	avioura	mod	lels.							[14M]
5		is design process yse the data desi ess.											ing	[7M] [7M]
6		date in detail abou ribe the design pro								goo	d des	sign.		[7M] [7M]
7	Illustrate technique developed	t so important to it with examples it is might give the it d with whit box tes fault and vice very	in wl mpre sting	hich ssior	a test	suit very	e de thing	velo is C	ped DK",	usin whi	lg b le a	lack b test su	oox iite	[14M]

8 a) Deliberate the procedure of formal technical reviews in testing the software. [7M] b) Identify the importance of the ISO 9000 quality standards in improving [7M] software quality.

Code No: R17A0511 MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY (Autonomous Institution – UGC, Govt. of India) III B.Tech I Semester Supplementary Examinations, July/August 2021 Software Engineering

Soloviare														
(CSE)														
		Roll No												
Time:	Fime: 3 hoursMax. Marks: 70													
				er Any		-								
		All	Quest	ions ca		equa	l ma	rks.						
					***	~ ~								F 4 43 F3
1	What is CMMMI? Explain in detail about CMMMI.													[14M]
2	Explain spiral model with its merits and demerits.												[14M]	
3	Briefly explain the models used for structured analysis.										[14M]			
4	Define th	e term software	requir	ement	. Exp	lain	diff	eren	t typ	es o	f sot	ftwa	re	[14M]
	requireme	ents.												
5	Explain a	bout design cond	cepts.											[14M]
Ľ	I ··· ··	8	1											
6	What is the	he need of user in	nterfa	ce? Ex	nlair	i iise	r int	erfa	ce de	esig	n ste	ns		[14M]
U	vv nat 15 ti		literra		pium		1 1110	ona		00151	1 500	P5.		
7	Define so	oftware testing. E	vnlai	n diffe	rent o	ofty	vare	testi	ing c	strate	ories	2		[1/M]
/		ntware testing. E	лріан			50110	varc	icst	ing s	ala	gies			[14M]
ø	What is t	he need of active	n o n o	viouro) E v.~	loin								[1 / \ /]
8	what is th	he need of softw	are re	views	схр	iain.	•							[14M]

Code No: R17A0511 MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY (Autonomous Institution – UGC, Govt. of India) III B.Tech I Semester Supplementary Examinations, Dec-21/Jan-22

Software Engineering

(CSE)														
Roll No														

Time: 3 hours

Note: This question paper Consists of 5 Sections. Answer FIVE Questions, Choosing ONE Question from each SECTION and each Question carries 14 marks.

*** **SECTION-I**

Discuss in detail about the layers involved in Unified Process model. 1 [14M]

OR

2 Explain different software myths with respect to management, customer and [14M] practitioner with neat case studies.

SECTION-II

3 What is SRS Document. Explain in detail about the structure of a software [14M] requirement document.

OR

	OK OK	
4	Draw an ER and DFD diagram for university information system.	[14M]
	SECTION-III	
5	Draw a translating diagram for analysis model into a software design.	[14M]
	Brief about each translations.	
	OR	
6	Discuss the steps involved in effective User interface design.	[14M]
	SECTION-IV	
7	Explain control structure testing. What are the different testing techniques	[14M]
	involved in it?	
	OR	
-		

- 8 Explain in detailed about Black-Box and White-Box testing. [14M] **SECTION-V**
- 9 Explain software quality assurance? [14M] OR [14M]
- 10 Analyze on the concept of risk projection. ******

Max. Marks: 70

R17

R17 Code No: **R17A0511** MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY (Autonomous Institution – UGC, Govt. of India) II B.Tech II Semester Supplementary Examinations, July 2021

Software Engineering **(IT)**

Roll No

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Time:	Time: 3 hours Max. Marks: 70													
Answer Any Five Questions All Questions carries equal marks.														
		All	Ques	tions	s carries ***	equa	l ma	rks.						
1	a) What do you mean by Software Myth? Explain Management Myths and Customer Myths										[7M]			
	Customer Myths.b) Explain a generic process framework for software engineering activities.									[7M]				
2	Explain the process areas required to achieve various maturity levels in CMMI.									[14M]				
3		rentiate between f	unctio	onal	and nor	-func	ction	al re	quire	emen	ts in	softwa	are	[7M]
	U	cit effects on softw	vare r	equi	rement o	collec	tion	?						[7M]
4	Interpret t	the Context Model	s and	Beh	avioura	mod	lels.							[14M]
5		is design process yse the data desi ess.											ing	[7M] [7M]
6		date in detail abou ribe the design pro								goo	d des	sign.		[7M] [7M]
7	Illustrate technique developed	t so important to it with examples it is might give the it d with whit box tes fault and vice very	in wl mpre sting	hich ssior	a test	suit very	e de thing	velo is C	ped DK",	usin whi	lg b le a	lack b test su	oox iite	[14M]

8 a) Deliberate the procedure of formal technical reviews in testing the software. [7M] b) Identify the importance of the ISO 9000 quality standards in improving [7M] software quality.
