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Cod	JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERAE B. Tech III Year I Semester Examinations, May - 2018	R13	/
Tim	SOFTWARE ENGINEERING (Common to CSE, IT) Max. M	arks: 75	<i></i>
Note	Part A is compulsory which carries 25 marks. Answer all questions in Part A consists of 5 Units. Answer any one full question from each unit. Each question marks and may have a, b, c as sub questions. PART - A (25)	A. Part B on carries A. Marks)	
1.a) b) c) d) e) f) g) h) i)	What is Software Development Life Cycle? Mention some of the factors to be considered during System modelling. What is meant by Requirement management? Differentiate between data flow diagram and state transition diagram. List the principles of a software design. What are the quality parameters considered for effective modular design? What is the role of cyclomatic complexity in software resting? Define black box testing strategy? Distinguish between reactive and proactive risk management.	[2] [3] [2] [3] [2] [3] [2] [3] [2]	_
AG	Write short note on RMMM. A A A A A A A A A A A A A A A A A A A	[3] Marks)	A
2.a) b)	What are the advantages of layered technology? Give CMMI levels and explain. OR	[5+5]	
△ (3.a) b)	How does system engineering differ from software engineering? Also write brie on computer based system and system engineering hierarchy. Explain in detail Evolutionary process model.	f notes [5+5]	A
4.a) b)	Why is traceability an important aspect of requirement management? Why system models are useful for requirements validation? Explain about the cardinality and modality with suitable example.	context [5+5]	
△ <u></u>	Give an overview of various steps in requirements engineering process.		A
6.a) b)	Write about architectural styles and patterns. Explain interface analysis and interface design steps. OR	[5+5]	
7.a) b)	How a component is designed based on function? Explain. What are the golden rules for user interface design? Explain.	[5+5]	A

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	Discuss about the discuss about the discussion with the discussion with the discussion with the discussion and the discussion with the discussion	e strategic approa but art of debugging tware testing? Ex ant by software qui identified? Expla	ng in detail. OR plain clearly the s uality? Explain th	system testing.	intenance.	[5+5] [5+5]	A
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