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Co	ode No: 125EM	R15	
	JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERAF B. Tech III Year I Semester Examinations, May - 2018	BAD	
	SOFTWARE ENGINEERING (Common to CSE, IT)	arks: 75	/
No	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	A. Part B on carries	
AG	10 marks and may have a, b, c as sub questions. PART-A	A G	/
1 ~	·	(iviai ks)	
1.a) b) c) d) e)	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.	[2] [3] [2] [3] [2]	
f) g) h) i)	What are the quality parameters considered for effective modular design? What is the role of cyclomatic complexity in software resting?	[3] [2] [3] [2]	ş.
AG"	AGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG	[3] Marks)	_
2.a) b)	What are the advantages of layered technology? Give CMMI levels and explain.	50.00	
0)	OR	[5+5]	
$\triangle \bigcirc 3.a)$ $b)$	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]	
4.a)	Why is traceability an important aspect of requirement management? Why	context	
b)	system models are useful for requirements validation? Explain about the cardinality and modality with suitable example.	[5+5]	
△ 5. 6.a)	Give an overview of various steps in requirements engineering process.		A
b)	Write about architectural styles and patterns. Explain interface analysis and interface design steps.	[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]	Λ
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	b)	Discuss abo	identified? Explant software review that Formal technic types of software		AG	AG	[5+5] [5+5]	A
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