Effth Compaton R.E. Dog

Fifth Semester B.E. Degree Examination, Jan./Feb. 2021 Software Engineering

Fime: 3 hrs. Max. Marks: 100

Note: Answer any FIVE full questions, selecting at least TWO full questions from each part.

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		PART – A	
1	a.		(06 Marks)
	b.		(04 Marks)
	C.	Explain the system engineering process activities, with a neat block diagram.	(10 Marks)
2	a.	What are the types of critical systems? Draw a simple safety critical system and ex	plain.
			(10 Marks)
	b.	Explain the process iteration with diagrams.	(10 Marks)
3	a.	Explain the metrics for specifying non-functional requirements.	(06 Marks)
	b.	Write the IEEE format of writing Software Requirement Specification (SRS).	(04 Marks)
	c.	What is Ethnography? How ethnography is effective in discovering the	
		requirements? Explain.	(10 Marks)
4	a.	Draw the state machine model of a microwave oven.	(05 Marks)
	b.	Explain structured methods.	(05 Marks)
	C.	What are the project management activities? Explain.	(10 Marks)
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_	_	<u>PART - B</u> With an example describe the repository model and give its adventages and disc	dvantages
5	a.	With an example describe the repository model and give its advantages and disa	(10 Marks)
	b.	What is a sequence model? Draw the sequence model of operations in collecting	
	0.	from a weather station and explain.	(10 Marks)
		nom u would station and suprami	,
6	a.	Explain extreme programming.	(10 Marks)
	b.	With a block diagram, explain the system evolution process.	(10 Marks)
7	a.	Explain clean-room software development.	(08 Marks)
	b.		(04 Marks)
	C.	Explain any one of the approaches to test case design.	(08 Marks)
8	a.	Why People Capability Maturity Model is used? Explain.	(10 Marks)
	b.	List and explain cost estimation techniques.	(10 Marks)

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