R13

Code No: 115EM JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD B. Tech III Year I Semester Examinations, March - 2017 SOFTWARE ENGINEERING

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(Common to CSE, IT)

. X * • •	Time: 3 hours Note: This question paper contains two parts A and B.	**** *** * * * * * **** * * * * * * *	ax. Marks: 75	**************************************
	Part A is compulsory which carries 25 marks. Answer consists of 5 Units. Answer any one full question from e 10 marks and may have a, b, c as sub questions.	all questions in each unit. Each	Part A. Part B question carries	eme ente
V V V V V V V V V V V V V V V V V V V	PART - A		(25 Marks)	**** * * * * * * * * * * * * * * * * *
	 1.a) What are the merits of incremental model? b) What are the fundamental activities of a software proces c) Differentiate ERD and DRD d) What are non functional requirements? e) Define design process. f) List the principles of a software design. g) Distinguish between verification and validation. 	ss?	[2] [3] [2] [3] [2] [3] [2] [3]	RE
X X X X X X X X X X X X X X X X X X X	h) Write about drivers and stubs. i) Give a note on the various estimation techniques: j) Define maintenance. What are the types of software ma	intenance?	[3] [2] [3]	**************************************
	PART - B		(50 Marks)	
	PART - B 2.a): Define the term Software. Describe its various characte b) Elaborate on the changing nature of software in detail.		(50 Marks)	
	PART - B 2 a):: "Define the tërm Software. Dëscribe its varions characte	ristics	[5+5]	
	2.a): Define the term Software. Describe its various character b) Elaborate on the changing nature of software in detail. OR 3.a) Explain software development life cycle. Discuss vario b) What are various myths about software? 4. Give an overview of various system models.	ristics	[5+5] ing SDLC.	
	PART - B 2.a): Define the term Software. Describe its various characte by Elaborate on the changing nature of software in detail. OR 3.a) Explain software development life cycle. Discuss various by What are various myths about software?	ristics us activities dur	ing SDLC. [5+5]	
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	9.a) Define u	ing fules and its unit testing. Explanation of	on about unit tes	sting consideration List rules used	ons and procedure I to define valid	\$ * * ****** S.	RØ
i D	equivalence classes. Explain the technique using extangles and disadvantages of the 10.a). What is the purpose of Delphi method? State advantages and disadvantages of the method. [5+5] Explain the COCOMO model for estimation.						
2	11. What configu	is software con tration management	nfiguration man	nagement? Exp	lain various asp	pects of the [10]	RE
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