[5+5]

Code No: 125EM

b)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD B. Tech III Year I Semester Examinations, May/June - 2019 SOFTWARE ENGINEERING

	(Common to CCE IT)	
Time	(Common to CSE, IT) 3 hours	Max. Marks: 75
i iiie:	5 Hours	Max. Marks: 75
Note:	This question paper contains two parts A and B. Part A is compulsory which carries 25 marks. Answer all questions consists of 5 Units. Answer any one full question from each unit. Ea 10 marks and may have a, b, c as sub questions.	
	PART - A	
		(25 Marks)
1.a)	Define software engineering.	[2]
b)	List evolutionary process models.	[3]
c)	Differentiate between user requirement and system requirement.	[2]
d)	List the various types of feasibility studies.	[3]
e)	What are the goals of the design process?	[2]
f)	Define software architecture.	[3]
g)	What is meant by smoke testing?	[2]
h)	List the metrics for source code.	[3]
i)	Give the different categories of risks.	[2]
j)	What is meant by software review?	[3]
	PART - B	
	TART - D	(50 Marks)
		(= =)
2.	Discuss managers myths about software development and the practitioners performance as well as on overall outcome. OR	eir effect on the
3.	What is software process? What is need of software process impr	ovement? Discuss
	capability maturity models.	[10]
4.	"The functional requirements specification of a system should be leaders." Substantiate this statement with relevant examples. OR	both complete and [10]
5.a)	Draw a context level model for a web-based food- ordering system su	ich as "Swiggy".
b)	Discuss the main characteristics of data model for requirement engine	
6.	How to translate the analysis model into the design model? Explain scenario.	n with an example [10]
	OR	
7.a)	Explain how to map data flow into a software architecture?	

Explain the design of class based components.

8.a)	Discuss the process of debugging.	
b)	What is the need of beta testing?	[5+5]
	OR	
9.a)	Explain the metrics for software quality.	
b)	Explain about the test strategies for connectional software.	[5+5]
10.a)	Elaborate on risk projection steps.	
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b)	Provide the format of risk information sheet.	[5+5]
	OR	

Explain the activities of software quality assurance group to assist the software team in 11. achieving high quality.

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