VCD3 10323 SYIT SEM IV SOFTWARE ENGINEERING 75 MARKS 2 1/2 HOURS

N.B.	(1) All questions are compulsory .	
	(2) Figures to the right indicate marks.	
	(3) Answers to the <u>same question</u> must be written together.	
	(4) Mixing of sub-questions is not allowed.	
Q1. A	ttempt any three of the following.	15
a)	Define Software Engineering and its layer.	
b)	Explain Software Development Life Cycle (SDLC) with the help of diagram.	
c)	What is Rad Model? Explain it's with phases.	
d)		
e)		
f)	Explain the principles of agile methods and discuss the problems with agile method?	
Q2. A	attempt any three of the following.	15
a)	Write a short note on legacy system.	
	Describe the different stages of system engineering process.	
c)	The state of the second st	
300	system?	
d)	Write a note on requirement engineering process.	
e)		helj
	of example.	
f)	What is the Behavioral Model? Explain it.	
Q3. A	attempt any three of the following.	15
a)	Define architectural design and explain the functions of architectural design.	
	Explain the three different categories in which the system is organized?	
c)	Explain user interface design.	
d)	List the various activities of project scheduling.	
e)	What is software project management?	
f)	Write a note on Software Quality Management.	
Q4. A	attempt any three of the following.	15
a)	Briefly explain Verification and Validation (V & V) process.	
b)	Explain the two phases of system testing: integration and release testing.	
c)	List the characteristics of a good test case.	
d)	Explain size oriented metrics.	
e)	Explain COCOMO-II Model.	
f)	Write a note on software productivity.	

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Q5. Attempt any three of the following.

a) Explain the different stages of CMMI framework.

- b) Explain the process of improvement with the help of diagram.
- c) Describe the concept of SOA with its benefits.
- d) What is application reuse? Explain its two approaches.
- e) Write a note on architecture framework.
- f) Briefly explain on SaaS (Software as a Service).