			ai KS. 7 U
ime	: 2½ hr	's.	
lote	:	1. All questions are compulsory with internal choice.	
		2. Draw neat diagrams wherever necessary.	
		3. Figures to the right indicate full marks.	
		a an a constitues.	(15)
2.1		Answer the following (any three) Define software engineering. Explain the need for Software Engineering. Define software engineering.	,
	(a)	Define software engineering. Explain the need for software Development Life Cycle (SDLC) with the help of a diagram	•
	(b)	Explain the Software Development Life Cycle (3DBG) With the Hole	
	(c)	Write a short note on Spiral Model	
	(d)	Explain the structure of the SRS document. What are the functional and nonfunctional requirements?	
	(e)	Describe 12 principles of the Agile Model.	
	(f)		(15)
2.2		Answer the following (any three)	
	(a)	What are the requirement engineering tasks?	
	G.)	Define the critical system and its type.	
	(b)	Explain the system engineering process in detail.	
	(c)	Write a short note on ER Diagram.	
	(d)	Explain the layered approach in socio-technical systems.	
	(e)	Describe different types of models.	
	(f)	Describe different types of mousie.	·
Q.3		Answer the following (any three)	(15)
2. 3	(a)	What is the User interface? Explain Principles of it.	
	(b)	Explain software project management briefly.	
	(c)	Explain project Scheduling in detail.	
	(d)	Write a short note on Risk Management Process.	
	(e)	Explain OSI model in detail.	
	(f)	Write a short note on Organizational model.	
Q.4	()	Answer the following (any three)	(15)
۲.,	(a)	Write a short note on Verification and Validation.	
	(b)	Define Testing. Explain Black box and White box testing	
	(c)	explain test case design in brief.	
	(d)	explain the level of Testing.	
	(e)	Define Testing. Explain the types of system testing.	
	(0)		
	(f)	Explain the inspection process in brief.	
Q.5		Answer the following (any three)	(15)
C	(a)	Write a short note on COST i.e. Commercial off the shelf.	
	(-)		
	(b)	Write a short on Software as a service.	
	(c)	Explain software reuse with its types	
	(d)	Describe Client server computing architecture.	
	(e)	What are the architectural patterns for distributed systems? Explain Master-	Slave
	. ,	architecture.	
	(f)	Describe the Classification of process.	