

Time: 03.00 Hours

Max. Marks: 80

N.B 1. Q.1 is compulsory

2. Attempt any three from the remaining four questions.

3. Each Question carry 20 marks.

Q.1.	Attempt All	Marks
a)	Explain components and connectors.	5
b)	Draw and explain Software Architecture building block.	5
c)	Comment on IEEE 1471	5
d)	Discuss Scalability and Heterogeneity properties of Non-Functional software system.	5
Q.2.		
a)	Explain how to improve the quality of Software Architecture. What are the issues?	10
b)	Explain architecture style and pattern.	10
Q.3.		
a)	List analysis goals and explain types of analysis.	10
b)	Differentiate between Domain-Specific Software Engineering, Domain-Specific Architecture	10
Q.4.		
a)	Explain in brief Deployment and Mobility Challenges.	10
b)	Explain in detail specific modeling techniques.	10
Q.5.		
a)	What is an architectural model? What is its relationship to architecture?	10
b)	Distinguish between Distributed and Network Architectures	10
Q.6.		
a)	Explain Service-oriented Architectures.	10
b)	What is the deployment concept? Explain Deployment and Mobility Challenges.	10