## CBCS Scheme

USN 16MCA443

## Fourth Semester MCA Degree Examination, June/July 2018 Software Architecture

	Mannet Note: Answer FIVE full questions, choosing one full question from each i	ax. Marks: 80
	a :: arreverying bulling the fill allocation faces	
		nodule.
	Module-1	
a. b.	as do trade Architecture: Explain the different structures	(08 Marks) (08 Marks)
	OR	
- 1	Explain in detail about the project life cycle context.  Explain with a neat diagram, how is Architecture Influenced?	(08 Marks) (08 Marks)
	Module-2	
a. b.	Explain the general scenario of the availability quality attribute. Explain the factics for the quality attribute modifiability.	(08 Marks) (08 Marks)
	OR	
a. b.	Explain the general scenario of the performance quality attribute. Explain the tactics for the quality attribute testability.	(08 Marks) (08 Marks)
a. b.	Module-3 Explain a Queuing model of performance for MVC with neat diagram. Describe quality attribute checklists, thought, experiments and back — of analysis.	(08 Marks) - the envelope (08 Marks)
	OR OR	
b.	Explain Gathering ASR from Requirements Documents.  Explain the categorization of Business Goals.	(08 Marks) (08 Marks)
	Module-4	
a. b.	Explain generate and test process of architecture design with a neat diagram. Explain the steps of Attribute Driven Design method.	(08 Marks) (08 Marks)
	OR	
a. L	Mention and explain the types of Notations.	(04 Marks)
о. С.	Explain the test activities and architect's role in testing	(04 Marks) (08 Marks)
	Module-5	
a. b.	Explain Layers arehitectural pattern	(08 Marks) (08 Marks)
	a. b. a. b. a. b. a. b. a. b. a. b.	a. Explain in detail about the project life cycle context. b. Explain with a neat diagram, how is Architecture Influenced?  Module-2  a. Explain the general scenario of the availability quality attribute. Explain the tactics for the quality attribute modifiability.  OR  a. Explain the general scenario of the performance quality attribute. Explain the tactics for the quality attribute testability.  Module-3  a. Explain a Queuing model of performance for MVC with neat diagram. Describe quality attribute checklists, thought, experiments and back — of analysis.  OR  a. Explain Gathering ASR from Requirements Documents. Explain the categorization of Business Goals.  Module-4  a. Explain generate and test process of architecture design with a neat diagram. Explain the steps of Attribute Driven Design method.  OR  a. Mention and explain the types of Notations.  Mention and explain three step methods for choosing the view. Explain the test activities and architect's role in testing  Module-5  a. Explain Layers architectural pattern

## OR

10 a. Explain blackboard architectural pattern. (08 Marks) Explain Broker architecture pattern. (08 Marks)