

GBGS SCHEME

18MCA553

Fifth Semester MCA Degree Examination, Jan./Feb. 2023
Software Architecture

Time: 3 hrs.

Note: Answer any FIVE full questions, choosing ONE full question from each module.

		Module-1	
1	0	Define software architecture. Discuss why software architecture is important.	(06 Marks)
1	a. b.	Explain the influence of architecture with respect to system stake holder.	(08 Marks)
		What is architecture business cycle? Explain with diagram.	(06 Marks)
	C.	What is alcintecture business by the angle of the angle o	
		OR	1
2		Discuss about architectural patterns, reference models and reference architecture	s. (06 Marks)
2	a.	Explain the role of architecture at the earliest set of design decisions.	(00 1124115)
	b.	Discuss the impotence of an architecture in building the architecture.	(06 Marks)
	C.	Discuss the impotence of an accura-	
		Module-2	
2		Explain the parts of quality attribute scenario with neat diagram.	(10 Marks)
3	a.	Discuss the general scenario with respect to availability.	(10 Marks)
	b.	Discuss the general section with 12-4	
		OR	
4	0	Discuss the tactics with respect to availability.	(10 Marks)
4	a.	Discuss the tactics with respect to security.	(10 Marks)
	b.	Discuss the tactics with resp	i
		Module-3	
_	0	How evailability can be analyzed in modeling the architecture.	(10 Marks)
5	a. b.	Discuss about experiments and Back – of – the – Envelope analysis.	(10 Marks)
	υ.	Discuss about enpermen	1
		OR	
6	a.	How ASRS are gathered by interviewing stake holders?	(10 Marks)
U	b.	- 1 Classing and an architecturally significant regularities	(10 Marks)
	υ.		1
		Module-4	(10 Mayles)
7	a.	Briefly discuss the steps involved in attribute driven design method.	(10 Marks)
/	b		(10 Marks)
	U	. Define view 2	
		OR	(10 Marks)
9	3 a	Discuss the sections of documentation beyond views.	(10 Marks)
	b,	and a summented in adult development Diologic Expression	(10 Marks)
	D		

		Wiodule-5	(10 Marks)
		Also discuss the relationship between patients.	(10 14141143)
9	a.	Define architectural pattern. Also discuss the relationship between patterns.	(10 Marks)
	4	Discuss the guidelines in implanting the Broker architectural pattern.	(10 1124225)
	h	Discuss the guidennes in implanting the	*

OR

		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(10 Marks)
10	a.	a. What is layered architectural pattern? Explain.	(10 Marks)
	1	E-valoin MVC architecture with neat diagram.	(20

Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.

2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.

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