Code No:**R1641052** **R16** **Set No. 1**

IV B.Tech I Semester Supplementary Examinations, February- 2020

SOFTWARE ARCHITECTURE AND DESIGN PATTERNS

(Computer Science and Engineering)

Time: 3 hours **Max. Marks: 70**

Question paper consists of Part-A and Part-B
Answer ALL sub questions from Part-A
Answer any FOUR questions from Part-B
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PART–A *(14 Marks)*

1.	a)	Draw the architecture of reconstruction activities diagram.	[3]
	b)	Compare planned and unplanned Evaluation.	[2]
	c)	State the four essential elements of Design Patterns.	[2]
	d)	Write Intent and Known uses of Adapter.	[2]
	e)	List out the participants of command behavioral pattern.	[2]
	f)	Explain the Layered View of libWWW.	[3]

PART–B *(4x14 = 56 Marks)*

2.	a)	What makes a good architecture? Justify your answer.	[7]
	b)	Explain in detail software processes and the architecture business cycle.	[7]
3.	a)	List out the six benefits that flow the holding of architecture inspection.	[7]
	b)	Explain the ATAM evaluation team roles.	[7]
4.	a)	Discuss about template of design pattern.	[7]
	b)	Explain the participants, consequences and implementation of Abstract factory creational pattern.	[7]
5.	a)	Elaborate the motivation and implementation of Proxy structural Pattern.	[7]
	b)	Describe in detail about Decorator structural pattern.	[7]
6.	a)	State the Motivation and Consequences of Strategy behavioral pattern.	[7]
	b)	Write the Applicability and participants of Visitor behavioral pattern.	[7]
7.	a)	Describe about module decomposition view of the A-7E Software Architecture.	[6]
	b)	Explain the following terms with examples i) Glyphs ii) Monoglyph	[8]

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