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CBCS SCHEME

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BCS501

Fifth Semester B.E./B.Tech. Degree Examination, June/July 2026
Software Engineering and Project Management

Time: 3 hrs. Max. Marks: 100

Note: 1. Answer any FIVE full questions, choosing ONE full question from each module.
2. M : Marks , L: Bloom's level , C: Course outcomes.

		Module – 1	M	L	C
Q.1	a.	Explain software application domains.	10	L2	CO1
	b.	Explain software engineering layers.	05	L2	CO1
	c.	Explain software engineering myths.	05	L2	CO1
		OR			
Q.2	a.	Explain steps involved in generic software process.	10	L2	CO1
	b.	Explain the Waterfall Model and V-Model of software development process with a neat diagram.	10	L2	CO1
		Module – 2			
Q.3	a.	Explain steps involved in requirement engineering process.	10	L2	CO2
	b.	Explain tasks involved in establishing ground work for requirement engineering.	05	L2	CO2
	c.	Explain use case diagram for 'Safehome' home security function.	05	L2	CO2
		OR			
Q.4	a.	Explain the thumb rules that should be followed when creating analysis model.	06	L2	CO2
	b.	Explain elements of analysis model with a neat diagram.	06	L2	CO2
	c.	Explain the safe home security function with a neat sequence diagram.	08	L2	CO2
		Module – 3			
Q.5	a.	Explain the agile process.	10	L2	CO3
	b.	Explain extreme programming process with a neat diagram.	10	L2	CO3
		OR			
Q.6	a.	Explain the principles that guide practice.	10	L2	CO3
	b.	Explain the principles that guide communication.	10	L2	CO3
		Module – 4			
Q.7	a.	Explain the importance of project management.	06	L2	CO4
	b.	Explain the activities covered by software project management.	06	L2	CO4
	c.	Explain about Project Management Life Cycle.	08	L2	CO4
		OR			
Q.8	a.	Differentiate between Traditional versus Modern Project Management practices.	10	L2	CO4
	b.	Explain the cost benefit evaluation techniques.	10	L2	CO4
		Module – 5			
Q.9	a.	Explain about importance of software quality.	10	L2	CO5
	b.	Explain software quality and the software quality models.	10	L2	CO5
		OR			
Q.10	a.	Explain the observations on software project estimation.	10	L2	CO5
	b.	Explain the decomposition techniques.	10	L2	CO5

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