

Code: 23CS4602A, 23IT4602A

III B.Tech - II Semester - Regular Examinations – APRIL 2026

SOFTWARE PROJECT MANAGEMENT
(Common for CSE, IT)

Duration: 3 hours

Max. Marks: 70

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- Note: 1. This question paper contains two Parts A and B.
 2. Part-A contains 10 short answer questions. Each Question carries 2 Marks.
 3. Part-B contains 5 essay questions with an internal choice from each unit. Each Question carries 10 marks.
 4. All parts of Question paper must be answered in one place.

BL – Blooms Level

CO – Course Outcome

PART – A

		BL	CO
1.a)	What is conventional software management?	L1	CO1
1.b)	List two advantages of iterative process over Waterfall model.	L2	CO2
1.c)	What are the objectives of Transition phase?	L1	CO1
1.d)	Define pragmatic artifacts with example.	L2	CO2
1.e)	What is meant by technical perspective of software architecture?	L1	CO4
1.f)	What is a periodic status assessment?	L2	CO2
1.g)	What is process automation?	L1	CO2
1.h)	What is change management?	L2	CO1
1.i)	Define orchestration.	L1	CO3
1.j)	What is Agile methodology?	L2	CO3

PART – B

			BL	CO	Max. Marks
UNIT-I					
2	a)	Explain the limitations of Waterfall model.	L2	CO1	5 M
	b)	List out conventional software engineering principles.	L2	CO2	5 M
OR					
3	a)	Discuss the importance of improving software processes.	L3	CO1	5 M
	b)	Discuss the role of peer inspections in achieving software quality.	L3	CO2	5 M
UNIT-II					
4	a)	Explain the Construction and Transition phases in detail.	L2	CO1	5 M
	b)	Illustrate Engineering artifacts and Management artifacts.	L4	CO2	5 M
OR					
5	a)	Analyze how artifact sets support iterative development.	L4	CO1	5 M
	b)	Summarize the Elaboration phase in detail.	L2	CO2	5 M
UNIT-III					
6	a)	Explain model-based software architecture from management perspective.	L2	CO4	5 M
	b)	Explain Evolutionary Work Breakdown structure with suitable example.	L2	CO2	5 M

OR					
7	a)	Discuss the role of minor milestone in Project tracking.	L3	CO4	5 M
	b)	Explain the planning guidelines for iterative process planning.	L2	CO4	5 M
UNIT-IV					
8	a)	Discuss about Line-of-Business of organization with a neat diagram.	L3	CO2	5 M
	b)	Classify the various Management Indicators in detail.	L2	CO2	5 M
OR					
9	a)	Explain about Quality Indicators with neat diagram.	L2	CO2	5 M
	b)	Explain about Round-trip engineering in the Project Environment.	L2	CO2	5 M
UNIT-V					
10		Illustrate DevOps architecture with a neat diagram.	L4	CO3	10 M
OR					
11		Explain the DevOps Eco system in detail.	L2	CO3	10 M