

Code: 20IT4701C

**IV B.Tech - I Semester – Regular Examinations - DECEMBER 2023**

**ELEMENTS OF SOFTWARE PROJECT MANAGEMENT  
(INFORMATION TECHNOLOGY)**

Duration: 3 hours

Max. Marks: 70

Note: 1. This paper contains questions from 5 units of Syllabus. Each unit carries 14 marks and have an internal choice of Questions.

2. All parts of Question must be answered in one place.

BL – Blooms Level

CO – Course Outcome

			BL	CO	Max. Marks
<b>UNIT-I</b>					
1	a)	Write a brief note on pragmatic software cost estimation.	L2	CO1	7 M
	b)	What are the important trends in improving software economics? Explain any two of them.	L2	CO1	7 M
<b>OR</b>					
2	a)	Demonstrate the limitations of water fall model and suggest methods to overcome the difficulties.	L3	CO1	7 M
	b)	What are five necessary improvements in waterfall model?	L2	CO1	7 M
<b>UNIT-II</b>					
3	a)	Explain the principles of Modern Software Management.	L2	CO2	7 M
	b)	What are test artifacts? Explain.	L2	CO2	7 M

<b>OR</b>					
4	a)	Explain the process principles of a conventional software engineering.	L2	CO2	7 M
	b)	Explain about construction phase and artifact evolution over the life cycle.	L2	CO2	7 M
<b>UNIT-III</b>					
5	a)	Illustrate checkpoints of the process in detail.	L2	CO2	7 M
	b)	Discuss about model-based architecture in a management perspective.	L2	CO2	7 M
<b>OR</b>					
6	a)	Demonstrate Iteration workflows.	L3	CO2	7 M
	b)	What is a model? Explain about technical perspective of model-based architecture.	L2	CO2	7 M
<b>UNIT-IV</b>					
7	a)	Write about Evolutionary Work Breakdown Structures.	L2	CO3	7 M
	b)	Differentiate between line-of-Business organizations and project organizations.	L4	CO3	7 M
<b>OR</b>					
8	a)	Describe stakeholder environment in project management.	L2	CO3	7 M
	b)	Explain the significance of pragmatic planning.	L2	CO3	7 M

**UNIT-V**

9	a)	What are management indicators in project management? Explain.	L2	CO4	7 M
	b)	Describe Quality Indicators-Change Traffic and Stability.	L2	CO4	7 M

**OR**

10	a)	What is the process discriminate in project management? Explain.	L2	CO4	7 M
	b)	What is the importance of Staffing and team Dynamics?	L2	CO4	7 M