

CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS

III-B.TECH-II-Semester End Examinations (Supply) - December- 2025
SOFTWARE PROJECT MANAGEMENT
(CSE)

[Time: 3 Hours]

[Max. Marks: 70]

Note: This question paper contains two parts A and B.

Part A is compulsory which carries 20 marks. Answer all questions in Part A.

Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART-A

(20 Marks)

1. a)	Explain cost estimation process.	[2M]
b)	What is Management?	[2M]
c)	Name the five principles of a modern process.	[2M]
d)	Explain about the construction phase.	[2M]
e)	Define Artifact.	[2M]
f)	Illustrate the three different aspects of an architecture.	[2M]
g)	Draw the workflow of an iteration.	[2M]
h)	Explain the goal of life-cycle objective milestone.	[2M]
i)	Write about evolution of organizations.	[2M]
j)	Give some examples of quality standards.	[2M]

PART-B

(50 Marks)

2.a)	Explain waterfall model in detail.	[5M]
b)	Discuss software economics. Explain the evolution of it in detail.	[5M]

OR

3.	Why should project manager bother about software product size? Explain the ways of reducing the software product size.	[10M]
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4. a)	Discuss the principle of modern software management.	[5M]
b)	Summarize transition to an iterative process.	[5M]

OR

5.	Demonstrate the essential activities of the Inception and Elaboration Phase.	[10M]
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6. a)	Explain the overview of the artifact set.	[5M]
b)	Elaborate engineering artifacts.	[5M]

OR

7.	Demonstrate Architecture in detail from management and technical perspective.	[10M]
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8. a)	What is a workflow? Explain in detail the process workflow.	[5M]
b)	Outline the typical Minor Milestones in the life cycle iterations.	[5M]

OR

9. a)	Discuss about evolutionary work breakdown structures.	[5M]
b)	Summarize cost and schedule estimation process.	[5M]

10. a)	Explain default role in a software- line-of business organization.	[5M]
b)	What is process automation? Explain about various building blocks of it in detail.	[5M]

OR

11.	Demonstrate server care metrics in managing modern process.	[10M]
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