

CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS

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

[Time: 3 Hours]

[Max. Marks: 60]

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

Part A is compulsory which carries 10 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

(10 Marks)

1. a)	What Is Late risk resolution?	[1M]
b)	Define Optimizing Process.	[1M]
c)	List two principles of modern software management.	[1M]
d)	Which stage includes requirement gathering and system design?	[1M]
e)	Define management artifacts.	[1M]
f)	Define model-based software architecture in one sentence.	[1M]
g)	Explain the software process workflows.	[1M]
h)	What is pragmatic planning?	[1M]]
i)	Define rework and adaptability.	[1M]
j)	What is MTBF?	[1M]

PART-B

(50 Marks)

2.	Explain The Concept Of Waterfall Model in Practical view.	[10M]
OR		
3.a)	Explain about the various Certifications used for Software Assessment.	[5M]
b)	List and explain Boehm Principles of staffing for a Software Project.	[5M]
4.	Explain the risk profile of a conventional software project across its life cycle.	[10M]
OR		
5.	Explain the various life cycle phases of software development with emphasis on engineering and production stages.	[10M]
6.	Describe the management artifacts in software development and their importance.	[10M]
OR		
7.	Explain the management perspectives in the model based software architectures.	[10M]
8.	What are major milestone that occur at the transition points between life-cycle phases? Explain them.	[10M]
OR		
9.a)	What are minor milestone in the life-cycle phases? Explain them.	[5M]
b)	What is meant by work breakdown structures? Explain an evolutionary WBS with an example.	[5M]
10.	Discuss about automation building blocks in detail. With a neat diagram explain the default roles in a software line of business organization.	[10M]
OR		
11.	What are the server care metrics? Explain.	[10M]
