

Course Code: 23MC3E07
BONAM VENKATA CHALAMAYYA INSTITUTE OF TECHNOLOGY &
SCIENCE(AUTONOMOUS)
II – MCA I - Semester Regular/Supplementary Examinations (BR23), Jan - 2026

SOFTWARE PROJECT MANAGEMENT(MCA)

Time: 3 hours

Max. Marks: 70

*Answer any Five Questions One Question for One UNIT
ALL the Question Carry Equal Marks*

UNIT-I		Marks	CO	BL
1.a)	Explain about waterfall model in practice	7M	CO1	BL2
b)	Explain pragmatic software cost estimation	7M	CO1	BL2
OR				
2.a)	How to improve the Team effectiveness	7M	CO1	BL3
b)	Briefly describe the conventional software engineering principles. Explain.	7M	CO1	BL4
UNIT-II		Marks	CO	BL
3.a)	Elaborate different engineering and production stage's phases.	7M	CO2	BL4
b)	Define artifact. Explain pragmatic artifacts in detail.	7M	CO2	BL1
OR				
4.a)	Differentiate inception with elaboration	7M	CO2	BL3
b)	What are the challenges in different artifact sets	7M	CO2	BL1
UNIT-III		Marks	CO	BL
5.a)	Explain model-based S/W architecture from the technical perspective	7M	CO3	BL2
b)	What is the importance of WBS in software project management	7M	CO3	BL1
OR				
6.a)	What are the software process workflows. Explain activity levels across the life cycle phases with a figure.	7M	CO3	BL2
b)	Analyse the key components involved in conducting effective periodic status assessments	7M	CO3	BL4
UNIT-IV		Marks	CO	BL
7.a)	How does Round trip engineering can work in project environment	7M	CO4	BL4
b)	Draw and explain the Default project organization and responsibilities	7M	CO4	BL3
OR				
8.a)	Explain process automation with building blocks	7M	CO4	BL2
b)	Define quality and Explain Quality indicators	7M	CO4	BL1
UNIT-V		Marks	CO	BL
9.a)	Explain about DevOps delivery pipeline and eco system	7M	CO5	BL2
b)	What are the patterns for spreading Scrum. Explain	7M	CO5	BL1
OR				
10.a)	Describe about agile methodology	7M	CO5	BL2
b)	How DevOps adaptation will be needful in projects	7M	CO5	BL3
