

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]
