

Code No.: IT512PE

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H.T.No.

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**CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS**

**III-B.TECH-I-Semester End Examinations (Regular) - January- 2024
SOFTWARE PROCESS AND PROJECT MANAGEMENT
(Common for IT, CSM)**

[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.

PART-A

(20 Marks)

1. a) Define Process. [2M]
- b) What is PCMM? [2M]
- c) Define Conventional Software Management. [2M]
- d) What is Software Economics? [2M]
- e) Define Minor Milestones. [2M]
- f) What is Iteration Planning Process? [2M]
- g) What is Project Review Authority? [2M]
- h) Define Process Automation. [2M]
- i) What is Change Management Environment? [2M]
- j) What is Late Risk Resolution? [2M]

PART-B

(50 Marks)

2. What is meant by Software Process Maturity? Discuss the Software Maturity Framework. [10M]
- OR**
3. Explain about CMM model. [10M]
4. Discuss the Waterfall model needs in software development. [10M]
- OR**
5. Discuss about Model- based Software Architectures. [10M]
6. What are the activities involved in the Software Process Workflows? [10M]
- OR**
7. Discuss about the Major Milestones which occur at the transition points between software project life cycle phases. [10M]
8. Discuss about Line-of-business organizations. [10M]
- OR**
9. Explain about the Seven-Core Metrics. [10M]
10. Explain about Continuous Integration. [10M]
- OR**
11. Discuss about Next-Generation Software Economics. [10M]
