

Code No.: CS623PE

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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]

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]

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]

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]
