

**III B. Tech I Semester Supplementary Examinations, May/June -2024**  
**SOFTWARE PROJECT MANAGEMENT**  
 (Computer Science and Engineering)

Time: 3 hours

Max. Marks: 70

Answer any **FIVE** Questions **ONE** Question from **Each unit**  
 All Questions Carry Equal Marks

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**UNIT-I**

1. a) Explain the principles of conventional software management. [7M]  
 b) Describe five basic parameters of software cost models. [7M]  
 (OR)
2. a) Illustrate pragmatic cost estimation model. [7M]  
 b) How to improve team effectiveness in the software development process. [7M]

**UNIT-II**

3. a) Describe in detail about Artifacts evaluation over the life cycle. [7M]  
 b) Write short notes on Test Artifacts. [7M]  
 (OR)
4. a) What are the steps involved in a typical software development plan? Explain. [7M]  
 b) Explain the Inception phase of the life cycle process. [7M]

**UNIT-III**

5. a) What are Iteration workflows? Explain. [7M]  
 b) Explain the management perspective of software architecture. [7M]  
 (OR)
6. a) What are periodic status assessments of the process? Explain. [7M]  
 b) Explain in detail about Minor milestones of the process. [7M]

**UNIT-IV**

7. a) Define MTBF and Maturity. How these are related to each other. [7M]  
 b) Explain the three management indicators' metrics in detail [7M]  
 (OR)
8. a) Why the process is to be automated? Explain the reasons and the three levels of automation. [7M]  
 b) Explain the four quality indicators' metrics in detail. [7M]

**UNIT-V**

9. a) What are people aspects of DevOps? Explain [7M]  
 b) Explain ADAPTING Agile scrum methodology in detail. [7M]  
 (OR)
10. a) Describe Tool stack implementation. [7M]  
 b) Explain the advantages of adopting DevOps? Explain. [7M]

