24U317 (Pages: 2) Name : .....

Reg. No : .....

THIRD SEMESTER UG DEGREE EXAMINATION, NOVEMBER 2025

(FYUGP)

CC24UCSC3CJ201 - SOFTWARE PROJECT MANAGEMENT

(B.Sc. Computer Science - Major Course)

(2024 Admission - Regular)

Time: 2.0 Hours Maximum: 70 Marks

Credit: 4

Part A (Short answer questions)

Answer ***all*** questions. Each question carries 3 marks.

1. Interpret the advantages and disadvantages of using the Increment Model. [Level:2] [CO1]
2. Summarize component-level design and outline why it is important in software development. [Level:2] [CO2]
3. Interpret the idea of class diagram. [Level:2] [CO2]
4. Summarize why project estimation is important in software project management. [Level:2] [CO3]
5. Summarize the concept of Software Project Management and explain the 4 Ps. [Level:2] [CO3]
6. Discuss the difference between CPM and PERT in terms of time estimation. [Level:2] [CO3]
7. Explain the meaning of debugging in software development. [Level:2] [CO4]
8. Clarify what acceptance testing aims to achieve before software delivery. [Level:2] [CO4]
9. Summarize the idea of Black-box Testing. [Level:2] [CO4]
10. Discuss the main purpose of having a software testing strategy in development. [Level:2] [CO4]

(Ceiling: 24 Marks)

Part B (Paragraph questions/Problem)

Answer ***all*** questions. Each question carries 6 marks.

11. Describe the role of SDLC in software engineering and discuss any 3 phases clearly. [Level:2] [CO1]
12. Explain the meaning of Agility and discuss how Agile methodology supports it and its advantages and disadvantages. [Level:2] [CO1]

13. Discuss Extreme Programming as an agile process. Summarize its five core values with examples. [Level:2] [CO1]

14. Differentiate functional and non functional requirements. [Level:2] [CO2]

15. Explain functional independence and modularity in software design and illustrate them with suitable examples. [Level:2] [CO2]

16. Review the components of an RMMM plan and explain how it helps in controlling project risks. [Level:2] [CO3]

17. Describe a Gantt Chart in detail and illustrate its use with a suitable example. [Level:2] [CO3]

18. Discuss the practices involved in achieving software quality and explain their significance. [Level:2] [CO4]

(Ceiling: 36 Marks)

Part C (Essay questions)

Answer any ***one*** question. The question carries 10 marks.

19. Explain the concept of software in detail. Discuss its types, important characteristics, and layered technology with suitable examples. [Level:2] [CO1]

20. Review the concept of architectural mapping using Data Flow Diagrams and explain it with an example system. [Level:2] [CO2]

(1 × 10 = 10 Marks)

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