

**24P262**

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Name : .....

Reg. No : .....

**SECOND SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2025**

(CBCSS-PG)

(Regular/Supplementary/Improvement)

**CC19P CSS2 C10 - PRINCIPLES OF SOFTWARE ENGINEERING**

(Computer Science)

(2019 Admission onwards)

Time: 3 Hours

Maximum: 30 Weightage

**Part-A**

Answer any *four* questions. Each question carries 2 weightage.

1. Discuss software engineering challenges?
2. Explain with a diagram- state chart diagram for order object.
3. Analyse risk management in software engineering.
4. List down the difference between project plan and test plan.
5. Define the different types of information sources.
6. Quote on literature survey.
7. Define report writing in detail.

**(4 × 2 = 8 Weightage)**

**Part-B**

Answer any *four* questions. Each question carries 3 weightage.

8. Explain any one agile model with figure.
9. Discuss the phases of SDLC.
10. Explain feasibility study. Briefly explain the types of feasibility.
11. Explain cohesion and coupling.
12. Interpret a DFD to second level for library management.
13. Analyse on code review and documentation.
14. Analyse test plan. Give some of the example test plan for any software as example.

**(4 × 3 = 12 Weightage)**

**Part-C**

Answer any *two* questions. Each question carries 5 weightage.

15. Explain software requirement specification. Explain the components and characteristics of SRS.

16. Describe structured analysis and design.
17. Compare and contrast on UI design.
18. Categorize the method of UI design methodology and process planning.

**(2 × 5 = 10 Weightage)**

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