

21P263

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Name:

Reg.No:

SECOND SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2022

(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 the software engineering challenges.
2. Discuss any three SDLC models.
3. Analyse the major activities performed in configuration management.
4. Identify the techniques for generating ideas for a project
5. List the different types of information sources and define.
6. Quote on literature survey.
7. Cite few problems faced by research scholar.

(4 × 2 = 8 Weightage)

Part-B

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

8. Explain any one software process development model.
9. Explain feasibility study. Briefly explain the types of feasibility.
10. Explain software requirement specification.
11. Explain data flow diagram. Illustrate with example of reservation system.
12. Explain an ER diagram for Book, Issue, Student, and Staff table.
13. Examine any two cost estimation method.
14. Categorize the different types of software testing strategies.

(4 × 3 = 12 Weightage)

Part-C

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

15. Explain cohesion and coupling. Explain classification of cohesiveness and coupling.
16. Explain the layered arrangement of modules. Explain the approaches to software design.
17. Compare and contrast on UI design.
18. Analyse the concept of software coding. Also examine what is meant by code review and documentation?

(2 × 5 = 10 Weightage)
