SECOND SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2021

(CUCSS - PG)

(Regular/Supplementary/Improvement)

CC19P CSS2 C10 - PRINCIPLES OF SOFTWARE ENGINEERING

(Computer Science)

(2019 Admission onwards)

Time: Three Hours   Maximum:30 Weightage

PART A

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

1. Explain the umbrella activities of a "Software Process".

2. What are software metrics? Explain different types of metrics used in software development.

3. What is the purpose of data flow diagram? What are the different notations used in it?

4. Explain the steps involved in test plan.

5. Identify the major activities performed in configuration management.

6. Write a note on literature survey.

7. Explain the different forms of communication.

(4 × 2 = 8 Weightage)

PART B

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

8. Explain the challenges in software engineering.

9. What is feasibility study? Briefly explain the types of feasibility.

10. Explain cohesion and coupling.

11. Describe the different types of software testing strategies.

12. Write a note on any one cost estimation method.

13. Briefly discuss the different types of information sources.

14. Discuss the various problems faced by the research scholars.

(4 × 3 = 12 Weightage)

PART C

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

15. Discuss the steps in SDLC. Compare any three SDLC models.

16. Explain the different approaches to software design.

17. Give a detailed account on UI design.

18. Describe in detail on report writing.

(2 × 5 = 10 Weightage)

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