

C 23325

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Name.....

Reg. No.....

**SECOND SEMESTER M.Sc. DEGREE (REGULAR/SUPPLEMENTARY)
EXAMINATION, APRIL 2022**

(CBCSS)

Computer Science

CSS 2C 10—PRINCIPLES OF SOFTWARE ENGINEERING

(2019 Admission onwards)

Time : Three Hours

Maximum : 30 Weightage

General Instructions

1. In cases where choices are provided, students can attend **all** questions in each section.
2. The minimum number of questions to be attended from the Section / Part shall remain the same.
3. The instruction if any, to attend a minimum number of questions from each sub section / sub part / sub division may be ignored.
4. There will be an overall ceiling for each Section / Part that is equivalent to the maximum weightage of the Section / Part.

Section A

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

1. Explain the concept of Software process.
2. What are the different types of feasibility ?
3. What is the use of Data flow Diagrams in Software Engineering ?
4. What do we do in configuration management ?
5. What are the important characteristics of User Interface design ?
6. Identify any *two* techniques for generating ideas.
7. What activity is performed in project story preparation ?

(4 × 2 = 8 weightage)

Turn over

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Section B

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

8. Explain major challenges in Software engineering.
9. Explain cohesion and coupling with examples.
10. Demonstrate class diagram and activity diagram with examples.
11. Explain any *one* cost estimation method.
12. Explain the activities performed in risk management.
13. Briefly explain the need and steps in literature survey.
14. Discuss any *four* problems faced by research scholars.

(4 × 3 = 12 weightage)

Section C

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

15. Outline the features and methodology of agile model.
16. Give a detailed account of requirements specification.
17. Elaborate different software testing strategies.
18. Give the structure and content of a report and highlight important rules to be followed while writing a report.

(2 × 5 = 10 weightage)

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