C 4724   (Pages : 2)   Name..

Reg. No....................................

SECOND SEMESTER M.Sc. DEGREE (REGULAR/SUPPLEMENTARY) EXAMINATION, APRIL 2021

(CBCSS)

Computer Science

CSS 2C 10—PRINCIPLES OF SOFTWARE ENGINEERING

(2019 Admissions)

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. *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. Highlight two challenges in Software engineering.

2. Explain the use of ER diagram.

3. List any *four* methods for collecting requirements.

4. List the key steps in Project scheduling. .

5. Explain any *two* key characteristics of User interface Design.

6. Identify any *four* sources of information for literature survey.

7. Explain the term "Key Deliverables".

$(4 \times 2 = 8$ weightage)

Section B

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

8. Write a note on "Agile model".

9. Discuss structured analysis.

Turn over

10. Explain the essential features of a Requirement Specification.

11. Write a note on UI design methodologies. .

12. Give an overview of different types of testing

13. Explain the key features of a good report.

14. Write a note on Different forms of communication.

(4 × 3 = 12 weightage)

Section C

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

15. Discuss the features of Waterfall model and compare it with prototype model.

16. Analyse different aspects of Object oriented modelling. Illustrate Class diagram and activity diagram with examples.

17. Discuss the concepts and steps in risk management.

18. Discuss the steps in literature survey. Analyse the key points in writing a literature review.

(2 × 5 = 10 weightage)