

Total number of printed pages:01 **Programme(D)/5th Semester/DCSE502**

2024

SOFTWARE ENGINEERING

Full Marks : 100

Time : Three hours

The figures in the margin indicate full marks for the questions.

Answer any five questions.

1. Explain the prototyping model with an example. Discuss the advantages and disadvantages of the model. 20

2. What is Cyclomatic Complexity? How to calculate Cyclomatic Complexity? What is the use of Cyclomatic Complexity? Explain with example in details. 20

3. What are the objectives of software design? What are the design tools commonly available? Explain ER diagram with an example. 20

4. Why to perform software risk analysis? What are the types of risks in software? How to perform risk analysis in software development? 20

5. Mention the different types of software testing. Briefly explain any three types of software testing with examples. 20

6. Write short notes on the following 20
 - a) COCOMO Model
 - b) SRS Document