

Code No.: R22CS405PC

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**CMR ENGINEERING COLLEGE: : HYDERABAD  
UGC AUTONOMOUS**

**II–B.TECH–II–Semester End Examinations (Regular) -July- 2024**

**SOFTWARE ENGINEERING**

**(Common for IT, CSM, CSE, CSD, CSC)**

**[Time: 3 Hours]**

**[Max. Marks: 60]**

**Note:** This question paper contains two parts A and B.

Part A is compulsory which carries 10 marks. Answer all questions in Part A.

Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

**PART-A**

**(10 Marks)**

1. a) Define CMMI. [1M]
- b) Define myth. [1M]
- c) What is requirements specification? [1M]
- d) What are user requirements? [1M]
- e) Define coupling. [1M]
- f) What is Design? [1M]
- g) What are the types of metrics? [1M]
- h) Write short note on system testing. [1M]
- i) Define reactive strategy. [1M]
- j) Define risk projection. [1M]

**PART-B**

**(50 Marks)**

2. Discuss about changing the nature of software. [10M]
- OR**
3. Explain about waterfall model in detail. [10M]
4. Difference between functional and non-functional requirements. [10M]
- OR**
5. Explain about requirements validation. [10M]
6. Discuss about design process and quality. [10M]
- OR**
7. Explain about basic structural modeling. [10M]
8. Discuss black box testing in a detailed view. [10M]
- OR**
9. Discuss about metrics for design model. [10M]
10. Explain about software measurement. [10M]
- OR**
11. Explain about RMMM and RMMM plan. [10M]

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