

10/1/24

Code No.: AI502PC

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CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
III-B.TECH-I-Semester End Examinations (Regular) - January- 2024
SOFTWARE ENGINEERING
(Common for CSC, CSD, CSM)

[Time: 3 Hours]

[Max. Marks: 70]

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

Part A is compulsory which carries 20 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.

PART-A

(20 Marks)

1. a) Mark evolution of software diagrammatically. [2M]
- b) Write about Personal and Team process Models. [2M]
- c) Distinguish Requirements elicitation and analysis. [2M]
- d) What are Data models? [2M]
- e) Define Architectural Design. [2M]
- f) Mention types of UML diagrams. [2M]
- g) Identify any three differences between validation testing and system testing. [2M]
- h) List the metrics for source code. [2M]
- i) Define formal technical reviews. [2M]
- j) Contrast reactive vs proactive risk strategies. [2M]

PART-B

(50 Marks)

2. Elaborate software process frame work and software myths. [10M]
- OR**
3. Explain in detail about i) incremental process model. ii) feasibility study. [10M]
4. Explain about the object models and structured methods. [10M]
- OR**
5. Examine Software Requirements Documents. [10M]
6. Demonstrate sequence diagram and component diagram with an example. [10M]
- OR**
7. Explain the conceptual model of UML. [10M]
8. What is meant by Software Quality? Discuss about the Metrics for Analysis and design Models. [10M]
- OR**
9. Explain [10M]
 - i. White box testing and black box testing.
 - ii. Validation testing with an example.
10. Discuss about the ISO 9000 quality standards. [10M]
- OR**
11. Explain in detail about RMMM plan. [10M]
