Code No.: AD303PC | R20 | H.T.No. | | 8 | R | | | | |

CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
II–B.TECH–I–Semester End Examinations (Regular) - February- 2023
SOFTWARE ENGINEERING
(AI&DS)

[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 and may have a, b, c as sub questions.

PART-A   (20 Marks)

1. a) Identify different types of process models.   [2M]
   b) Define evolving role of software.   [2M]
   c) Define Requirements Management.   [2M]
   d) Distinguish Requirements Elicitation and Analysis.   [2M]
   e) What do you mean by use case?   [2M]
   f) Define Architectural Design.   [2M]
   g) List out the metrics for source code.   [2M]
   h) Identify any four differences between validation testing and system testing. [2M]
   i) List out the two characteristics of Software risks.   [2M]
   j) Define Formal Technical Reviews.   [2M]

PART-B   (50 Marks)

2. Discuss about the changing nature of software and explain uses of software development [10M]
   process models?

OR

3. Elaborate software process frame work and software myths.   [10M]

4. Explain about   [10M]
   i) software requirements document
   ii) Interface specification in software requirements.

OR

5. Explain about the object models and structured methods.   [10M]

6. Simplify basic structural modeling in detail.   [10M]

OR

7. Demonstrate sequence diagram and component diagram with an example.   [10M]

8. What do you mean by Integration testing? Explain in detail.   [10M]

OR

9. What do you mean by Software Quality? Discuss about the Metrics for Analysis Model and [10M]
   design Model.

10. Differentiate between Reactive and Proactive Risk strategies.   [10M]

OR

11. Discuss about the ISO 9000 quality standards.   [10M]

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