

Code No: **R20A0511****MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY**

(Autonomous Institution – UGC, Govt. of India)

**III B.Tech I Semester Supplementary Examinations, June/July- 2024****Software Engineering****(CSE, IT, CSE-CS, CSE-AIML, CSE-IOT & B.Tech-AIML)**

<b>Roll No</b>									
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**Time: 3 hours****Max. Marks: 70**

**Note:** This question paper Consists of 5 Sections. Answer **FIVE** Questions, Choosing ONE Question from each SECTION and each Question carries 14 marks.

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**SECTION-I**

1    *A*    What is the difference between Incremental process models, and Evolutionary process models. [7M]

*B*    Explain about process frame work with a neat sketch. [7M]

OR

2    *A*    What is the Capability Maturity Model Integration (CMMI)? [7M]

*B*    Discuss about the Unified process and explain it. [7M]

**SECTION-II**

3    *A*    Explain about context models, behavioural models and Data models. [7M]

*B*    What is the importance of UML Diagrams with example [7M]

OR

4    *A*    Describe about requirements elicitation and analysis in software engineering? [7M]

*B*    Compare functional and non-functional requirements [7M]

**SECTION-III**

5    *A*    Discuss about architectural styles, patterns and architectural design. [7M]

*B*    Illustrate about user interface analysis and design. [7M]

OR

6    *A*    Explain about interface design steps and design evaluation. [7M]

*B*    Analyse about software architecture and data design. [7M]

**SECTION-IV**

7    *A*    Explain about the strategic approach to software testing. [7M]

*B*    Compare Black-Box and White-Box testing with example. [7M]

OR

8    *A*    Describe about Risk refinement RMMM and RMMM Plan. [7M]

*B*    Discuss about Validation testing and System testing, [7M]

**SECTION-V**

9    *A*    Write about Statistical Software quality Assurance with example. [7M]

*B*    Briefly discuss about the Case Study of ATM Management System [7M]

OR

10    *A*    Describe about the ISO 9000 quality standards. [7M]

*B*    Describe about software quality assurance and software reviews. [7M]

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