



MARRI LAXMAN REDDY INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(AN AUTONOMOUS INSTITUTION)

(Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad)

Accredited by NBA and NAAC with 'A' Grade & Recognized Under Section 2(f) & 12(B) of the UGC act, 1956

III B.Tech I Sem Regular End Examination, January 2022 Software Engineering (CSE & IT)

Time: 3 Hours.**Max. Marks: 70**

Note: 1. Question paper consists: Part-A and Part-B.

2. In Part - A, answer all questions which carries 20 marks.

3. In Part - B, answer any one question from each unit.

Each question carries 10 marks and may have a, b as sub questions.

PART- A**(10*2 Marks = 20 Marks)**

- | | | | |
|---|----|-----|-----|
| 1. a) Draw software failure curve. | 2M | C01 | BL2 |
| b) What are goals of TSP? | 2M | C01 | BL1 |
| c) Define VORD method. | 2M | C02 | BL1 |
| d) Give an example of DFD. | 2M | C02 | BL1 |
| e) What is low coupling? | 2M | C03 | BL1 |
| f) Give an example of Class diagram. | 2M | C03 | BL1 |
| g) What are the testing metrics? | 2M | C04 | BL1 |
| h) What is integration testing? | 2M | C04 | BL1 |
| i) Explain about use case-oriented metrics. | 2M | C05 | BL4 |
| j) Describe risk refinement. | 2M | C05 | BL1 |

PART- B**(10*5 Marks = 50 Marks)**

- | | | | |
|---|----|-----|-----|
| 2 a) Illustrate merits and demerits of RAD model with a neat diagram. | 5M | C01 | BL4 |
| b) How would you organize Software Myths? Explain. | 5M | C01 | BL4 |

OR

- | | | | |
|---|-----|-----|-----|
| 3 Discuss in detail about process assessment and process patterns. | 10M | C01 | BL2 |
| 4 a) Explain different types of Requirement engineering techniques. | 5M | C02 | BL4 |
| b) Define context model. Explain with an example. | 5M | C02 | BL4 |

OR

- | | | | |
|--|-----|-----|-----|
| 5 Discuss about non-functional requirements, classifications and requirements types in detail. | 10M | C02 | BL2 |
|--|-----|-----|-----|

6	a) What are design quality attributes? Explain.	5M	C2	
	b) Explain about different architectural styles and patterns.	5M	C03	BL4
OR				
7	Discuss about the conceptual model of UML in detail.	10M	C03	BL2
8	a) What is validation testing? Explain.	5M	C04	BL4
	b) Discuss about metrics for maintenance.	5M	C04	BL2
OR				
9	Explain in detail about test strategies for conventional software.	10M	C04	BL4
10	a) What are metrics for software quality? Explain.	5M	C05	BL4
	b) Explain about risk identification.	5M	C05	BL4
OR				
11	Discuss in detail about RMMM & draw the RMMM plan.	10M	C05	BL5

---oo0oo---