



**B V Raju Institute of Technology**  
**(UGC Autonomous)**  
**Vishnupur, Narsapur, Medak**

**B.Tech 1 Semester First MID - April 2025**

**Year** : 1

**Subject** : System Level Design

**Time** : 09:00 to 12:00

**Branch** : CSE

**Date** : 14/04/2025

**Marks** : 15

**Answer any three Questions. All Questions carry equal marks.**

Q.No	Question Description	Marks
1a).	What is the difference between system programming and application programming?	2
1b).	Wdfgfdscfddfdfdxcf	3

Q.No	Question Description	Marks
2a).	Explain the term linking.	2
2b).	What are the functions of system programs?	3
3).	Write the syntax of a system call in C.	5
4).	Compare and contrast the use of C++ and Rust in system-level programming, focusing on the trade-offs between object-oriented design, memory safety, and performance.	5

Q.No	Question Description	Marks
5a).	What is shit??	2
5b).	What is an orphan process?	3