



*R17 Regulation* *Subject Code:1E1AD*  
**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY**  
(Autonomous & Accredited by NAAC with 'A+' Grade)

**B.Tech. I Year I Semester Supplementary Examinations, June 2024**

**Computer programming in C**

*(Common to Civil Engineering & Mechanical Engineering)*

**Maximum Marks:70**

**Date:03.07.2024 Duration: 3hours**

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**Part-A**

Answer all the following questions

10X2M=20 Marks

1. Define Flowchart.
2. What is a keyword?
3. Define an array.
4. What is function?
5. Define Pointer.
6. What are memory allocation functions?
7. Write a program using structures
8. Mention the differences between structures and unions and write a program using union.
9. Define getchar( )
10. Write a program using fopen( ) and fclose( ) functions.

**Part-B**

Answer all the following questions

10M X 5=50M

11. Write a program for selection of operators using switch. 10M

OR

12. Write down the programs for the following. 10M

i) goto ii)break iii)continue

13. What is a storage class? Write a program using register and extern storage classes. 10M

OR

14. Write the program Matrix Multiplication program. 10M

15. Write a program to copy one string to another string without using string handling function. 10M

OR

16. A) Write a program for call by reference. 5M  
B) Write a program using functions fptr 5M

17. Explain the Structures containing Arrays. 10M

OR

18. Explain about command line arguments and preprocessor commands. 10M

19. Explain about file operations 10M

OR

20. Differentiate between text files and binary files. 10M