



Regulation- R18

Subject code: 2E2AB

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous, Accredited by NAAC with 'A' Grade)

B.Tech II Semester Regular/Supplementary Examinations, November 2020

Computer Programming using C

(common to CE,EEE,ME & IT)

Maximum Marks: 70

Date:17.11.2020 Duration: 2 Hours

Part-A

All the following questions carry equal marks

(10x1M=10 Marks)

- 1 Define an Algorithm.
- 2 Define Expression.
- 3 List out Different storage class.
- 4 Write the syntax for declaring the user-defined function.
- 5 Write the syntax of *for* loop.
- 6 Differentiate getch() and getchar() function.
- 7 List the name of operations on stack.
- 8 Define a structure .
- 9 What is meant by text file.
- 10 List file error handling functions.

Part-B

Answer ANY FIVE QUESTIONS

(12MX 5=60Marks)

- 11 What does a control statement mean? what are the different types of control statements available in C.
- 12 Explain different type of operators used in C Language.
- 13 Define a function what are different types of functions based on the arguments passed to it.
- 14 Explain different categories of user-defined functions with an example.
- 15 What are the different memory allocation functions supported in C? Explain each of them with an example.
- 16 What are the different string handlings functions? Write a C Program to find whether a given string is a palindrome or not.
- 17 What is meant by structure? Define a structure named salary and another structure name allowance, as the member of salary structure. Develop a C program that read data into structure members using structure variables of salary and allowance structures.
- 18 Briefly discuss about Bit fields, self-referential structures pre-processor commands.
- 19 Write a C program to merge two files into a third file.
- 20 What are different file operations, and demonstrate them with an example program.