

Tilak Maharashtra University
Diploma in Engineering
SUB: Computer organization And Networks

Year –TY

Branch- E&TC

Semester -5th

Assignment No: I

(Write any five)

- Q.1 Explain control structures in 'C'
- Q.2 Explain string handling in 'C'
- Q.3 Write a 'C' program to define single dimensional array. Explain 2 - dimensional and multi-dimensional arrays.
- Q.4 What is data structure? Which types of control structures are available in 'C' programming language? Explain one data structure.
- Q.5 Write a short note on:
User defined data types.
- Q.6 Explain with example accessing structure data member by using and without using pointers.
- Q.7 Write a note on data structures & C. Can you implement data structure except C language?

Assignment No: II

- Q.1 Write a short note on:
Application of stack
- Q.2 Explain LIFO operation and FIFO operation.
- Q.3 Distinguish between static and dynamic memory allocation.
- Q.4 Explain Quick sort with an example.
- Q.5 Explain Linear and binary search with example.
- Q.6 What do you mean by sorting? State the different methods of sorting?
Explain bubble sort with the help of an example.
- Q.7 What are queues? Explain in detail and compare it with stack.

Assignment No: III

- Q.1 Show the binary expression tree that represents the following preorder expression.
*- + a b c - d + e lf+ g h
- Q.2 In what way tree data structure differ from graph data structure? List methods for representing graph data structures.
- Q.3 What is a hash function? Explain overflow and collision.
- Q.4 Write a Short note on: binary tree traversal techniques.
- Q.5 Write a note on graph Terminologies.

