



- b)** Define Recursive functions with an example C Program. [10 Marks] CO4 L3
- OR**
- 8. a)** What are File pointers? Write a C Program to open a File, Close a File, and Read Data from Files. [05 Marks] CO1 L3
- b)** Write a C program to copy a text file to another, reading both the input file name and target file name [05 Marks] CO1 L2
- c)** Develop a program using pointers to compute the sum, mean and standard deviation of all elements stored in an array of N real numbers. [10 Marks] CO4 L2
- 9. a)** What are Structures. Differentiate between Structures, unions and enumerated data type. [08 Marks] CO4 L5
- b)** Implement structures to read, write and compute average- marks of the students, list the students scoring above and below the average marks for a class of N students [12 Marks] CO4 L3
- OR**
- 10. a)** Explain with example the concept of structure within structures. [11 Marks] CO2 L2
- b)** Explain Arrays within structures with an example. [09 Marks] CO4 L2

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