

- Q-1 (a)What is Flow chart? List and explain symbols used in flow chart. [7]  
(b) What is algorithmwrite an algorithm to print factorial number of a number. [7]  
OR
- Q-1 (a) Explain data types of C Language. [7]  
(b)Write a detail note on Compiler and Interpreter. [7]
- Q-2 (a) Explain switch case with proper example. [7]  
(b) Explain bitwise operator with example. [7]  
OR
- Q-2 (a) Explain ternary operator with example. [7]  
(b) What is iteration? Explain For Loop with example. [7]
- Q-3 (a) What is Array? Explain 1D and 2D array with example. [7]  
(b) Write a C program to generate the following pattern. [7]  
E D C B A  
E D C B  
E D C  
E D  
E  
OR
- Q-3 (a) What is Sorting? Explain any one sorting technique with example. [7]  
(b)What is searching? Explain Linear search with example. [7]
- Q-4 (a) Explain the following functions with its purpose, syntax, header file and example. [7]  
(i) getchar() (ii) strlen() (iii) strcpy()  
(b) How string is store in C Language? Explain with necessary diagram. [7]  
OR
- Q-4 (a) How can string is differed than character? How character is used to store a string? [7]  
(b)Write a c program to convert uppercase string into lower case. [7]
- Q-5 (a) What is union? Explain with example. [7]  
(b) Write a short Structure.. [7]  
OR
- Q-5 (a) Differentiate: Structure & Array& Union [7]  
(b)Explains structure within a structure. [7]