

Module-3

- 5 a. What is an array? Write syntax for declaring two dimensional array and initialize the same with suitable example. (08 Marks)
- b. Write a C program to find transpose of a given matrix. (06 Marks)
- c. List the difference between linear and binary search. (06 Marks)

OR

- 6 a. Define string. List out all string manipulation function. Explain any two with examples. (10 Marks)
- b. Write a C program to copy a string (combination of digits and alphabets) to another string (only alphabets). (10 Marks)

Module-4

- 7 a. Write a C program for evaluating the binomial coefficient using a function Factorial (n). (10 Marks)
- b. Define the following :
- (i) Actual parameter.
- (ii) Formal parameter.
- (iii) Global variable.
- (iv) Local variable. (04 Marks)
- c. Write a C program to generate Fibonacci series using recursive function. (06 Marks)

OR

- 8 a. Define a function. List and explain the categories of user defined functions. (10 Marks)
- b. Differentiate (i) User defined and built-in function (ii) Recursion and iteration. (10 Marks)

Module-5

- 9 a. What is a structure? Explain the syntax of structure declaration in C with example. (04 Marks)
- b. Write a C program that accepts a structure variable as a parameter to a function from a function call. (10 Marks)
- c. Define a pointer. How the pointers are declared and initialized. (06 Marks)

OR

- 10 a. Differentiate between structures and unions. (04 Marks)
- b. What is preprocessor directive? Explain #define and #include preprocessor directive. (06 Marks)
- c. Write a C program to find sum and mean of all elements in an array using pointer. (10 Marks)

CMRIT LIBRARY
BANGALORE - 560 037

* * * * *