UNIVERSITY INSTITUTE OF ENGINEERING AND TECHNOLOGY

SUBJECT: **Programming for Problem Solving** (MINOR-2)
B.E (EEE– I and II)

Time: 90 min.
M.MARKS: 30

Q.1 Define

(a) Recursion   (b) Actual and formal parameter (c) fflush(stdin)
                (3)

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Q.2 What are Pointers?What Arithmetic operations are allowed and what are not allowed on pointers. (3)

Q.3 Write a program to enter 3X4 Matrix. Find sum of all elements which are placed in either even no. of row or even no. of
column   (3)

Q 4 What are Strings? Check whether string is palindrome or not using string library functions   (3)

Q.5 What are functions? What are advantages of functions?
                        (3)

    Explain all methods of passing parameters and returning values to a function.

Q.6 Write a program for Bubble Sort with 5 integers.
(3)

Q.7 Give difference between (a) Call by Value and Call By reference with example

                                (b) Array and Structure   (c) Static and Automatic Variable   (6)

Q.8 Write a program to create a structure

Employee(empid,empname,city,acctno.,balance)

(a) Input and Print 50 records   (6)

(b) Sort the records in alphabetical order of empname.

(c) Search record by empid