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2x5)

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1108
B.E. (Civil)
First Semester
CS-101/IT-102: Programming Fundamentals
(Common with CSE)

Time allowed: 3 Hours   Max. Marks: 50

NOTE: *Attempt five questions in all, including Question No. I which is compulsory and selecting two questions from each Unit.*

x-x-x

I.   Attempt the following:-

    a)   What is the purpose of return statement?

    b)   What does the compiler do?

    c)   How is the array name interpreted when it passed to a function?

    d)   What do you understand by dangling pointer?

    e)   Describe the function fclose and fopen.   (5x2)

UNIT – I

II.   a) Write a program to find the largest of three numbers and give the output in ascending order.
    b) Describe different type of Bit-wise operators.   (2x5)

III. a) Write a program to print Fibonacci series using functions.

    b) What is recursion? What advantage is there in its use?   (6,4)

IV.   a) What are strings? Explain various string handling functions.

    b) Differentiate between while and do while loops.   (6,4)

UNIT – II

V.   a) What are unions ? Distinguish between union and structure.

    b) Write a program to accept *ID, department* and *date of joining* and print the name of those students who have completed at least five year of service.   (4,6)

P.T.O.

VI.   a) What is pointer? How pointers are used with one dimensional array?

      b) Write a program to read a character from one file and write it on another file. (2x5)

Time allo

NOTE: /
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VII.   Write short notes on the following:-

      a)   malloc( )

      b)   C pre-processor

      c)   putw( )

      d)   getw( )   (4x2½)

I.   A

x-x-x

II.

III.