USELT-10 - Electronics Paper-II (C-Programming-I)

P. Pages : 2

Time : Three Hours

0253

Max. Marks : 50

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Notes :   1.   All questions are compulsory and carry equal marks.
          2.   Use either ANSIC or TURBOC for program writing.

Either:

1   a)   Explain use of algorithm and flow chart in programming with suitable example.   **10**

OR

b)   What is machine level language? State its advantages and disadvantages. What are compiler and interpreter?   **5+5**

Either:

2.   a)   Explain the following operators with examples.   **5+5**
         i)   Logical operator and
         ii) Assignment operator
         Explain the increment and decrement operators in C with examples.

OR

b)   What is hierarchy of operation? Explain with example. Explain arithmetic operators with example.   **5+5**

Either:

3.   a)   Explain formatted input and output statements.   **10**

OR

b)   What is control statement? Explain if-else statement with example. Differentiate between if -else and switch statement.   **2+5+3**

Either:

4.   a)   Define loop. List the various types of loops supported by C. Explain any one with suitable example.   **1+3+6**

OR

b)   What is the difference between while and do-while loop? Write a program to find factorial of an integer number.   **5+5**

5.   Attempt **any ten** of the following: **1x10 =10**

         a)   What are advantages of high-level language?

         b)   Write the characteristics of algorithm?

c)   Define flow chart?

d)   What is variable?

e)   What is an assignment operator?

f)   What is operator associativity?

g)   What is use of if statement?

h)   What is else-if ladder?

i)   What is ternary operator?

j)   What is advantages of do-while loop?

k)   What do you mean by nested loop?

l)   State the importance of break statement?

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