UBCAT203 - Paper-III : Fundamental of C

P. Pages : 2

Time : Three Hours

67 14

Max. Marks : 80

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Notes : 1. All questions are compulsory and carry equal marks.
2. Draw a neat and labelled diagram wherever necessary.
3. Avoid vague answers and write specific answers related to question.

Either:-

1. a) Define Token. Explain the various tokens supported by C language. **8**

b) What are operators? Explain any three types of operators in C. **8**

OR

c) Explain Basic structure of C program using suitable example. **8**

d) What is variable? How to declare the variable and write rules to define variable in C. **8**

Either:-

2. a) What is control string? List the various control string used in printf( ) statement. **8**

b) What is purpose of switch statement? Explain with suitable example. **8**

OR

c) Write the difference between if else-and switch statement. **8**

d) Write a program in 'C' **8**

  a) To check enter year is leap year or not

  b) To check enter number is even or odd.

Either:-

3. a) Explain while …loop using suitable example. **8**

b) Write a program to find factorial of given no. **8**

OR

c) Explain the following using suitable example. **8**

  i) Break ( )

  ii) Continue ( )

d) Write a program in 'C' to print prime no between 1 to 100 **8**

Either:-

4. a) Define array? What is need of array? Explain multidimensional array using suitable example. **8**

b) What is sorting? Explain the working of bubble sort. **8**

OR

c) Write a program to find the transpose of matrix of size m*n. **8**

d) Explain the following **8**

i) strlen( )

ii) strrev ( )

iii) strcpy ( )

iv) strcmp ( )

5. Solve all the questions.

a) Explain the various application of 'C' language. **4**

b) What is backslash character? List the various escape character supported by 'C' **4**

c) What is use of goto statement? Explain with suitable example. **4**

d) Define merging. Explain in detail. **4**

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