RAN-1803000201030082

F.Y.B.Sc. Computer Science (Sem -1) Examination

March / April - 2019

Core Paper -102 Programming in C-l

Time: 2 Hours]   **[Total Marks: 50**

સૂચના : / Instructions

નીચે દર્શાવેલ ☛ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of ☛ signs on your answer book

Name of the Examination:

☛ **F.Y.B.Sc. Computer Science (Sem -1)**

Name of the Subject :

☛ **Core Paper -102 Programming in C-l**

Subject Code No.: **1803000201030082**

Seat No.:

Student's Signature

Q-l   **Answer the question in short.**   **14**

1. What is recursion? List example of any two problems which can be solved by recursion.

2. List any two unary operators. What is difference between ++a and a++.

3. How compiler error is different from logical error?

4. What is string? List any three inbuilt string functions.

5. float x;

   $x = (7 + 3)/ 3 * 2;$

   printf("%f",x);

   Explain output of above code with explanation ?

6. How array is declared with initialization?

7. What is significance of main () function?

Q.2   **Write answers for the following questions :**   **12**

1. Discuss various relational and logical operators of c language.

2. Discuss ladder and nested if statement with taking proper example.

OR

1. Discuss various data types available in c language.

2. Discuss While loop with proper example. What is significance of break in while loop.

Q3.   **Write answer for the following questions:**   **12**

1. Discuss UDF with taking proper example.

2. What is array ? Explain two dimensional array with proper example

OR

1. What is algorithm? Discuss various symbols used in flow chart.

2. What is library function in c language? Discuss any four arithmetic library function of c language.

Q4.   **Answer the following questions (Any two)**   **12**

1. Write a program check given number is prime or not.

2. Write a program to read an array of integer and display largest number in array and its position.

3. Write a function which will take 3 numbers as argument and return largest among them.

4. Write a program to generate fabonacci series.

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