A-2925
First Year B. Sc. (Computer Sci.) Examination
March / April - 2015
Paper - 2 : Programming in C-1
(New Course)

Time : 2 Hours] [Total Marks : 50
Instructions :
1. Figure to the right indicates full marks of the questions.
2. Figures to the right indicates full marks of the questions.
3. Figures to the right indicates full marks of the questions.
4. Figures to the right indicates full marks of the questions.
5. Figures to the right indicates full marks of the questions.
6. Figures to the right indicates full marks of the questions.
7. Figures to the right indicates full marks of the questions.

1 Answer the question in short. 14
   (1) Explain any two string function?
   (2) Differentiate between if and go to statement.
   (3) Differentiate while loop and do while loop.
   (4) What is use of break and continue?
   (5) Write for loop to print leap year between 1900 to 2014.
   (6) Why c language is known as middle level language.
   (7) Give example of switch case.

2 Write answer for the followings. 6+6
   (A) Write a note on basic data types of 'C'. How can we do
       implicit and explicit conversion? When it is needed?
   (B) Write detail note on user defined function giving suitable
       example.

       OR

   (A) Explain call by value and call by reference giving suitable
       example.
   (B) What is recursion? Write a c program to find out
       factorial of a number.
3 Write answers for the followings. 6+6
(A) Write a detail note on operator. Also explain its precedence?
(B) What is flow chart? Which are the symbols used for flow chart? Draw the flow chart to find out maximum number from three numbers.

OR

(A) Write a c program to find out length of inputted string without using strlen( ) function.
(B) Write a c program to find out the smallest and highest number from array of index 10.

4 Write answer for the followings. 6+6
(A) Explain Switch..case statement with proper example
(B) Write a program to check whether given number is prime or not

OR

(A) Discuss token of c language.
(B) Explain for loop with proper example compare it with while loop.