Online Examination
Topic: Function and String
Section C2
Full Marks: 20   Time: 50 minutes

Problem 1: Write a C program that will take two string inputs from a user. Then, it will call a function to swap the strings. Then the program prints the values.**[Marks: 5]**
[Swapping values means interchanging values. For example, if your two strings s1 and s2 contain the values "abc" and "def" respectively, then after swapping strings1 will contain the value "def" and s2 will contain the value "abc".]

Sample input	Corresponding Output
abcdef	defabc
a bccccc	bccccc a

Problem 2: Write a C function that will take two string inputs from a user. Then, it will call a function to compare them lexicographically (dictionary order). If your two strings are s1 and s2, the function will return 1 if s1 comes before s2, -1 if s2 comes before s1 and 0 if s1 and s2 is the same string. Then the program prints the return values.**[Marks: 5]**

Sample input	Corresponding Output
abc def	1
bccccc a	-1
c c	0

Problem 3: Write a C program that will take two string inputs from a user. Then it will call a function to check whether these strings are meta strings or not. Then the program prints the decision. Meta strings are the strings which can be made equal by exactly one swap in any of the strings. Equal strings are not considered here as Meta strings. You cannot use any string.h library function. But you can use the functions developed in Problem 1 and 2. **[Marks: 10]**

Sample input	Corresponding Output
converse conserve	YES
rsting string	NO