CSE 1111: Structured Programming Language (C), Summer 2021
Class Test 4, Total Marks: 20, Time: 20 Minutes

Q1.   10

Write C code for a program that takes a string **str** and a character **ch** as input, then the program outputs modified string after removal of all occurences of that character.

Input: **str**	Banana	CopAcabAna	HelloWorld
ch	a	c	l
Output:	Bnn	CopAabAna	HeoWord

[You have to make change to input string **str**. Additional string **str2** may be used as buffer. You may initialize **str2** as empty and continuously add characters from **str** to it if the character does not match the one to be removed. **You cannot use string.h header file**]

Q2.   10

Complete the C code below by adding body to the function **mystrcmp()**. The function takes two strings **str1, str2** as parameters and compares them ignoring the case of characters, and returns **1** if they match; **0** otherwise. Assume that both the strings are of equal length.

```c
#include<stdio.h>

int mystrcmp(char str1[], char str2[]) {
    /*
        Add code here according to problem specification
    */
}

int main() {
    char str1[100], str2[100];
    gets(str1);
    gets(str2);
    int result = mystrcmp(str1,str2);
    printf("%d",result);
    return 0;
}
```

Input: **str1**	WizardOfOz	harRy PotTer	DavID BlaINe
str2	wiZardoFOz	Harri pottAr	David Blaine
Output:	1	0	1

[ASCII value of 'A' = 65, 'a' = 97. Note that input strings may contain spaces.
You cannot use string.h header file]