International Islamic University Chittagong Department of Electrical and Electronic Engineering

	Examination Spring-2019	Program: B.Sc. Engg. (EEE)	
	c Code: CSE 1105 2 hours 30 minutes	Course Title: Computer Programming-I Full Marks: 50	
i ime:	2 hours 30 minutes		
[Ans	swer any two questions from the follo	Part A wings; figures in the right margin indicate full marks.]
1(a).	Write a C program to check wheth if-else.	her a number is positive, negative or zero using	03
1(b).	Define continue statement. Determ	mine the output of the following program:	03
	int main(){		
	int a=11;		
	do {		
		tinue; } $printf("%d \ n", a)$;	
	$a++;$ } while (a<20) r		0.4
1(c).		while loop. Write a program to print the	04
	following pattern using loop. 5 4 3 2 1		
	4321		
	3 2 1		
	2 1		03
2(a).	2(b). Write a program to sort data of a two dimensional array.		
2(b).			
2(c).	write a program to print the fond	owing structure	04
		1 1	
		2 2 3 3	
		4 4	
		5	
		4·4 3 3	
		2 2	
		1 1	
3(a).	Discuss recursion. Write a progr	am to display Fibonacci series using recursion.	03
3(b). Define goto statement. Draw the flowchart of goto and continue statement			02
3(c).	Define loop. Write a program i function.	n C to find the square of any number using the	02
3(d).		ements with example.	03

4(a). 4(b). 4(c).	What is Pointer? Address the significance of using pointers in C programming. Write code segment that print int string[9]={2,3,5,0,7,7,8,5,9} using pointer.		
5(a). 5(b).	Differentiate between array and structure. Design a structure struct student which contains information about the ID, name, age, department, semester, mobile_no, and address. Write a code segment to take the input for a student object And display the information.		
5(c).	What is string? Write a program to convert string to lowercase.	04	
6(a).	Define pointer? Why pointer is used? How to create a pointer?	03	
6(b).	Determine the output of the following program:	03	
	int main(){		
	int *y;		
	int x;		
	y = &x		
	*y = 1;		
	printf(" x = %dn", x);		
	printf("*y = %dn", *y);		
	*y += 2;		
	printf("x = %dn", x);		
	printf("*y = %dn", *y);		
	return 0;		
(()	}.		
6(c).	How we can access a variable by using pointer, explain with example.	04	
7(a).	Write a program to the existence of a number in an array	02	
7(b).	Write the types categories of a function with an example.		
7(c).	Write down the basic file operation supported by C. Write short note on these		
7(d).	function fopen(), fclose(), getc(), putc(). Write a program in C to read a number of values in an arrow and discloss it is	0.4	
/ (u).	Write a program in C to read n number of values in an array and display it in reverse order	02	