

Maharashtra Institute of Technology, Aurangabad

(An Autonomous Institute)

MAKE-UP EXAMINATION

First Year B.Tech (All) -April/May 2022

Course Code : ESC101

Course Name : C- Programming

Duration : 2 Hrs

Max. Marks : 50

Date : 06/05/2022

Instructions :

- i) All questions are compulsory
- ii) Assume suitable data wherever necessary and clearly state it
- iii) Figures to the right indicate full marks

Q. 1	Answer any five(Marks:10)			
	Questions	Marks	CO	BL
a)	What is output of <pre>#include<stdio.h> #include<stdlib.h> int main () { int i; for(i = 0; i<10; i++) { if(i == 5) { Continue ; } printf("%d ",i); } return 0; }</pre>	02	CO3	BL2
b)	What is an Algorithm ? Write an algorithm to calculate area of circle	02	CO2	BL1
c)	Differentiate machine language and assembly language	02	CO1	BL2
d)	Write an instruction to declare structure employee which stores id , name and salary of a employee	02	CO4	BL2
e)	Define function and find the output of given program <pre>#include<stdio.h> void printName(); void main ()</pre>	02	CO5	BL2

	<pre> { printf("my "); printName(); } void printName() { printf("friend "); } </pre>			
f)	What do you mean by pointer .Give an example	02	CO6	BL2
Q.2	<p>a) Write a program to print multiplication table of any number using for loop. Test the output for number 7.</p> <p>b) Differentiate while and do while loop, give one example.</p>	05 03	CO3	BL3
Q.3	Write a program in C to find given number is positive, negative or Zero. Draw flowchart for the same.	08	CO2	BL3
Q.4	Write a program to find factorial of a number using function. Test the output for number 5 and 6.	08	CO5	BL3
Q.5	<p>Write a C program to find the subtraction of two matrices. Test the program for 5*5 order</p> <p style="text-align: center;">OR</p> <p>a)Write program in c to compare your name and surname.</p> <p>b) Write a C program to store and display information of two students using structure</p>	08 04 04	CO4	BL4
Q.6	<p>Write a program in C find addition of two numbers using call by reference. Test output for addition of 6 and 8</p> <p style="text-align: center;">OR</p> <p>Write a program in C to pass array elements to a function using pointers.</p>	08	CO6	BL4