Registration no:														
Total Number of Pages: 03							102			102			102	M.C.A MCC101
		1 th S	emeste	r Reg	gula	r / B	ack	Exa	min	atio	n 20	16-1	7	
				PR					IN C					
102	102 102 102			Tin Ma	BRANCH: MCA Time: 3 Hours Max Marks: 70					102	102			
Α	nsv	ver Questic The fig	on No.1 gures ir		ch is		npu	Isor						he rest.
Q1 2		Answer the	following	quest	tions:		102			102			102	(2 x 10)102
	a)	Convert the given binary value to equivalent decimal $(101.11)_2 = ($ $)_{10}$												
102	b)	else bre	x<=10; x+ continue;	+)	ORLE) will I	oe pri	nted '	?	102			102	102
102	c)	return 0; } What will be int m= int N; N=(m		102	N as ∣	per th	e folk	owing	expr	essio	n?		102	102
102	d)	var1 =	ain() r1=10,var2 = var2 == v "%d ", var	2=11,v var3;	J		102			102			102	102
102	e)	Write the out int m {		If the f	ollowi	ng C	code'	?		102			102	102

```
static int a=10,b=20;
                   printf("\n %d %d",a,b);
                   a++; b++;
          What the following printf() statement will print?
           printf("%d %d %d", sizeof(3.14f), sizeof(3.14), sizeof(3.141L));
          What is the output of the following code segment?
           #include<stdio.h>
           int main()
              struct value
                int member1:1;
                int member2:4;
                int member3:4;
              }var;
              printf("%d\n", sizeof(var));
              return 0;
           }
      h) What value is returned by fopen() if there is an error while opening a file?
           What is the output of the following code segment?
      i)
           #include<stdio.h>
           char* fun(char *p)
           p += 3;
           return (p);
           int main()
           char *ptr = "PROGRAMMING IN C";
           char *ptr1;
           ptr1 = fun(ptr);
           printf ("y = %s \n", ptr1);
           return 0;
           Write the difference between malloc() and realloc().
      j)
Q2 a)
          Draw the flowchart to find the GCD of two positive integers.
                                                                                                      (5)
          Write a program to find the sum of the series:
                                                                                                      (5)
           \frac{1}{1!} + \frac{1}{2!} + \frac{1}{3!} + \frac{1}{4!} + \dots + \frac{1}{n!}
Q3 a) Write a program to print the 2<sup>nd</sup> largest element from an array of N elements
                                                                                                      (5)
          Write a function to check whether the given string is palindrome or not?
                                                                                                      (5)
```

x()

Q4	a)	write a program to multiply two integer values using recursive function call.									
	b)	Write a function to take two strings as arguments and concatenate them without using string library function.									
102		without using stri	ng library functio	on. 102	102	102	102				
Q5	a)	Write a program sum of each colu		ix of order M x N u	ising DMA and c	lisplay the	(5)				
	b)	What do you mean by <i>constant pointer</i> and <i>pointer to a constant</i> ? Explain with two examples.									
Q6	a)	Write a program that reads integers from an ASCII file $data.txt$ and write all the even values into a file $even.txt$ and odd values into $odd.txt$.									
	b)	Write a function t	o print the Fibor	nacci series of N r	numbers		(5)				
Q7		Write a program to maintain a student database to store students Name, Roll, Marks of 6 subjects for N students. Display the report card showing students Roll, Name and their Grade using structure.									
102		¹ Marks	102 Grad	de 102	102	102	102				
		>=90	0								
		>=80 a	nd <90 E								
			nd <80 A								
			nd <70 B								
		<60	F								
Q8	a)	Write notes on a	•	102	102	102	(5 x 2) 102				
	b)	Command Line A	Arguments.								
	c)										
	d)										
	- -,	-									
102		102	102	102	102	102	102				
102		102	102	102	102	102	102				
102		102	102	102	102	102	102				