Seat No:\_\_\_\_\_ Enrollment No:\_\_\_\_

## PARUL UNIVERSITY

## FACULTY OF IT & COMPUTER SCIENCE

## MCA Winter 2018 – 19 Examination

Semester: 1 Subject Code: 05201101 Subject Name: Fundamentals of Programming			Date: 24/10/2018 Time: 2:00 pm to 4:30 pm Total Marks: 60		
Q.1	Answer the followings.		(0.5)		
A.	<ul><li>Write short notes.</li><li>1. Write a syntax of if else staten</li></ul>	oont	(05)		
	2. What is logical operator?				
	3. What are the basic symbols of fl				
	4. What is call by reference in function?				
	5. How many bytes are required to				
В.	Multiple choice type questions/ Give the sentence true or false. (Each of 01 marks) (10				
	1. Which is the only function all C programs must contain?				
	(a) main()	(b) system()			
	(c) start()	( <b>d</b> ) getch()			
	2. real data type is available in C? (				
	3. Which of the following operator takes only integer operands?				
	(a) +	(b) *			
	(c) /	(d) %			
	<b>4.</b> Which of the following is assign				
	(a) %	(b) =			
	(c) &&	(d) *			
	5. Which command is used to break the loop or statement?				
	(a) break	(b) resume			
	(c) continue	(d) break			
	<ul><li>6. Any C program</li><li>(a) Must contain at least one</li><li>(b) Need not contain any func</li><li>(c) Needs input data.</li></ul>				
	(d) None of the above				
	7. Invalid function name	42.4270			
	(a) salary()	(b) A2Z()			
	(c) contact no()	(d) first_name()	(F.1.)		
	<b>9.</b> b+=10 means	larations, but only one definition. (True	e/ False)		
	(a) b=b+1	<b>(b)</b> 10=10+b			
	(c) b+10=b 10. What is right way to initialize a	( <b>d</b> ) b=b+10			
	(a) int num[6] = $\{2, 4, 12, 5, 45, 5\}$ ;				
(a) find fidth[0] = { 2, 4, 12, 3, 43, 3 }; (b) int n{} = { 2, 4, 12, 5, 45, 5 };					
	(c) int $n\{6\} = \{2, 4, 12\};$				
	(d) int $n(6) = \{2, 4, 12, 5, 45, 5\}$ ;				
<b>Q.2</b>	Answer the followings.		(15)		
	<b>1.</b> What is nested loop?		(02)		
	2. Write down difference between structure and union.				
	<b>3.</b> Explain External variables with	example.	(02)		
	4. What will be the output of the following program?				
	<pre>#include <stdlib.h></stdlib.h></pre>				
	#include <stdio.h></stdio.h>				
	<pre>enum {false, true}; int main()</pre>		(03)		
	{ int i = 1;				

do

	{		
	printf("%d\n", i); i++;		
	if (i < 15)		
	continue;		
	<pre>} while (false);</pre>		
	getchar();		
	return 0;		
	}		
	5. Write down any three difference between Program Oriented Programming & Object Oriented	(02)	
	Programming.	(03)	
	<b>6.</b> What is the role of compiler?	(03)	
Q.3	Answer the following. (Any three)		
	1. Explain switch case with suitable example.	(15)	
	2. Write a C program to find number is prime or not.		
	<b>3.</b> Explain Implicit Type Conversion and Explicit Type Conversion with example.		
	4. Write a C program to check leap year.		
Q.4	Answer the following.		
	a. Write a C program to swap two numberas.	(05)	
	<b>b.</b> What is loop? Explain different types of loop in detail.	(10)	
	OR		
	<b>b.</b> What is function? Explain its structure with example.	(10)	