Seat	No:

## PARUL UNIVERSITY

## FACULTY OF IT & COMPUTER SCIENCE

Parul Institute of Computer Application Bachelor of Computer Application Mid Semester Examination

Semester: 1

Subject Code: 05101102

Subject Name: Fundamentals of Programming

Date: 06/09/2018 Time: 10:00 to 12:00 Total Marks: 40

## Instructions:

- 1. Figures to the right indicate full marks.
- 2. Make suitable assumptions wherever necessary.
- Q.1 Answer the following.
- (a) Answer the following questions.

[3]

- 1. Distinguish between constant and variable.
- 2. How many times i value is checked in the below code?

```
#include <stdio.h>
int main()
{
     int i = 0;
     do {
     i++;
         printf ("in while loop\n");
     }
     while (i < 3);
}</pre>
```

- 3. List the different types of bit-wise operator.
- (b) Do as directed.

[7]

- 1. Which is valid C expression?
  - a) int my num = 100,000;

b) int my\_num = 100000;

c) int my num = 1000;

- d) int  $my_num = 10000$ ;
- 2. What is the output of this C code?

```
#include <stdio.h>
int main()
{
   int i = 0;
   int x = i++, y = ++i;
   printf("%d % d\n", x, y);
   return 0;
}
```

- a) 0, 2 b) 0, 1
- c) 1, 2
- d) Undefined

1 of 2

	<ol><li>All keyw</li></ol>	vords in C are i	Although the section of the section					
		Case letters	The second second second second second second	b) Upper	rCase letters			
	c) Camel	Case letters		d) None of the mentioned				
	4. Which of t	the following is	s not a correct v					
	a) float	b) real	c) int	d) double				
		,		•				
		y bytes are req	aired to store int	eger type valı	ue?			
	a) 1	b) 2	c) 4		d) 8			
	6. The	ope	erator is true onl	y when both t	he operands are true.			
	7. In exit cont	trolled loop, if	he body is exec	uted 5 times, t	the test condition is evalua	ted		
Q.2	2 Answer the fo	ollowing.						
(a)		· ·					[4]	
	1. Explain Co	Explain Conditional Operator with syntax and giving example.						
			ntax and give on		rampie.			
(b)			8	- champio.			563	
	1. What is a c	constant? Expla	in different type	s of constants	.9		[6]	
	2. What is the		ween while loop					
Q.3	٥.		,		100р.			
1	Attempt any T							
1	Switch Stateme	ram to calculat ent.	e Addition, Mul	tiplication, Su	btraction, and Division usi	ng	[5]	
2	List out operato	or supported by	C programming	g. Explain rela	tional operator in detail		[5]	
<ul> <li>List out operator supported by C programming. Explain relational operator in detail.</li> <li>What is algorithm? Write an algorithm and Draw flowcharts to print larger number from any</li> </ul>								
	three numbers.				The standard manager in the standard in the st	in any	[5]	
Q.4	Answer the following	lowing.						
(a)	Draw and explain	in the Structure	of C Programm	ing with givin	ng example		563	
(b)	Explain if else la				7		[5]	
				R			[5]	
	Explain nested it	f else statement			example		563	
				B. TO OHO			[5]	
							2 of 2	