Seat No:	Enrollment No:
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## PARUL UNIVERSITY

## **FACULTY OF IT & COMPUTER SCIENCE** BCA, Winter2017-18 Examination

Date: 26-12-2017 Semester: 1

**Subject Code: 05101102** Time: 10:30AM to 01:00PM

**Subject Name: Fundamentals of Programming Total Marks: 60** 

## **Instructions:**

- 1. Figures to the right indicate full marks.
- 2. Make suitable assumptions wherever necessary.
- 3. Make suitable assumptions wherever necessary.
- 4. Start new question on new page.

## Q.1 Answer the following.

(A) Write a short notes. **(5)** 

- 1. Define Algorithm.
- 2. What is Local variable?
- 3. List out storage classes in C Programming.
- 4. Which Header file is required for the exit() statement?
- 5. Define Array.

Multiple choice type questions/ Give the sentence true or false. (Each of 01 marks) **(B)** (10)

- 1. Which of the following is not a valid variable name declaration?
  - A) int \_a3;

B)int a\_3;

C) int 3 a;

D) int 3a

2. The keywords cannot be used as variable names.

(A)True

(B) False

- 3. Input/output function prototypes and macros are defined in which header file?
  - A) conio.h

B) stdlib.h

C) stdio.h

D) dos.h

- 4. Continue statement used for
  - A) To continue to the next line of code
  - B) To stop the current iteration and begin the next iteration from the beginning
  - C) To handle run time error
  - D)None of above
- 5. A zero value is considered to be false and a non-zero value is considered to be true.

(A)True

(B) False

6. What will be the output?

```
void main ()
{
          printf("%d",'B' < 'A');
```

A)Declaration Error

B) A

C)B

D) None of these

7. What is the output of this C code?

```
#include <stdio.h>
int main(){
int i = 10, j = 3, k = 3;
printf("%d %d ", i, j, k);
```

A) Compile time Error C) 103

B) 1033 D) 10

8. Array index always start from

A)0

B) 1

C) 2

D) 3

	9. Which of the following correctly	declares all array?		
	A) int anarray[10];	B) int anarray;		
	C) anarray{10};	D) array anarray[10];		
	10. What is the index number of the last element of an array with 30 elements?			
	A) 29	B) 28		
	C) 0	D) Programmer-defined		
Q.2	Answer the following. (Attempt a	ny 5)	(15)	
	<ul><li>4. What is operator? Explain Bitwis</li><li>5. Difference between complier and</li></ul>	. while loop. nce between local and global variable. e operators.		
Q.3	Answer the following. (Attempt a	ny 3)	(15)	
1	Explain in brief about structure of C	C programming.		
2	Write a C Program to print half pyr 1 1 2 1 2 3 1 2 3 4 1 2 3 4 5	amid as using numbers as shown in figure below.		
3		torial of a Number using for loop with output.		
4	Explain conditional statement with			
Q.4	Answer the following.	1		
(A)	What is data type? Explain any four	data types used in C language.	(5)	
( <b>B</b> )	• • • • • • • • • • • • • • • • • • • •	h an example. Write pros and cons of array.	(10)	
` ′	•	OR	,	
<b>(B)</b>	Explain one dimensional array with	an example. Write pros and cons of array.	(10)	