Seat No:		
Seat No:		

Enrollment No:____

PARUL UNIVERSITY

FACULTY OF IT & COMPUTER SCIENCE

BCA/IMCAWinter2018–19 Examination

Semester: 01 Date: 24/10/2018

Subject Code: 05101102 Time:10:30 am to 01:00 pm

Subject Name: Fundamentals of Programming Total Marks: 60

1. Al 2. Fig 3. Ma	questions: I questions are compulsory. gures to the right indicate full marks. ake suitable assumptions wherever necessary. art new question on new page.			
Q.1	Answer the following.		[15]	
(a) (b)	 Define Program. What is Global Variable? Write down types of macros. Array index always start from in How to declare an array? Which of the following is not a valid C variable na 		[5] [10]	
	A) int number;	B) float rate;		
	C) int variable_count;	D) int \$main;		
	2. Input/output function prototypes and macros are de A) conio.hC) stdio.h	fined in which header file? B) stdlib.h D) dos.h		
	3. Break statement is used forA) Quit a programC) Both of above	B) Quit the current iteration D)None of above		
	4. The keywords cannot be used as variable names. A)True	B) False		
	5. A non-zero value is considered to be false and a zer A)True	ro value is considered to be true. B) False		
	6. Which Header file is required for the exit() statement?			
	A) conio.h C) stdio.h	B) stdlib.h D) dos.h		
	7. What is the size of an int data type?			
	A)4 Bytes C) 8 Bytes	B) Depends on the System/Complier D) None of these		
	8. What is the output of this C code?			
	#include <stdio.h></stdio.h>			
	int main(){			
	int i=10, j=3, k=3;			
	printf("%d %d %d", i,j,k);			
	A) Compile time Error	B) 10 3 3		

	C) 10 3	D) None of these	
	9. Array is used for	data type of element.	
	A) Homogeneous C) (A) and (B) both	B) Similar D) None of this	
	10. What is the index number of A) 29 C) 0	The last element of an array with 29 elements? B) 28 D) Programmer-defined	
Q.2	Answer the following. (Attemp		[15]
Q. <u>2</u>	Difference between com		[15]
		s between while loop and do while loop?	
	3. Define Variable, Keywo		
		are the different types of constant? Explain any one in brief.	
	_	What are the different storage classes in C? Explain any one with	
	suitable example. 6. What is Flowchart? Dra	w a flowchart for swapping of two numbers.	
Q.3	Attempt any THREE.		[15]
	- v	four data types used in C language.	[5]
	** *	alf pyramid as using * as shown in figure below with output.	[5]
	2. Witte u e Frogram to print nu	in pyramia as asing as shown in rigare serow with surpain	[5]
	*		
	* *		
	* * *		
	* * * * *		
		Check whether a number is palindrome or not.	[5]
	•	rol statements in C language with Example.	[5]
	— L 8		[-]
Q.4	Answer the following.		[15]
(a)	Explain structure of C with example.		[5]
(b)	Explain one dimensional array a	and two Dimensional array with an example. Write pros and cons of	[10]
	array.		
		OR	
(b)	List out operator supported by C	programming. Explain any three in detail.	[10]