DR. BABASAHEB AMBEDKAR TECHNOLOGICAL **UNIVERSITY, LONERE - RAIGAD -402 103** Winter Semester Examination - Dec. - 2019

Branch: B. Computer Engineering

Sem.:-I **Subject:- Computer Programming in C [CP1204]** Marks: 60

Date: - 23/12/2019 Time:- 3 Hr.

Instructions to the Students

- 1. Each question carries 12 marks.
- 2. Attempt **any five** questions of the following.
- 3. Illustrate your answers with neat sketches, diagram etc., wherever necessary.
- 4. If some part or parameter is noticed to be missing, you may appropriately assume it and should mention it clearly

(Marks)

Q.1. Attempt any two

(12)

- a) What is algorithm? Write down its characteristics.
- b) What are the different symbols, its purpose and give its description which is used for different states in flow chart? with
- c) Explain language translators in details. Differentiate between compiler and interpreter.

Q.2. Solve the following

(12)

- a) Define variable. With suitable example explain variable declaration. Explain the rules for constructing variable names.
- b) The length & breadth of a rectangle and radius of a circle are input through the keyboard. Write a program to calculate the area & perimeter of the rectangle, and the area & circumference of the circle.

Q.3. Attempt any two of following

(12)

- a) Write a program to print Fibonacci series up to the term entered by the
- b) What is switch statement? Explain its syntax. What is the use of break statement?

•	hat is function prototype? Write a program to find suggestion.	ım of 4 digits by	
Q.4 Solve the following		(12)	
a) What is array? Write syntax of one-dimensional array. Write a program to read and print a matrix of 3X3.			
•	hat are the types of string manipulation functions in ram by using any three string manipulation functions		
Q.5. Solve the following (12)			
•	rite a program in C by using structure to store inforn ame, roll number and marks. And also display it.	nation of student	
b) Define structure. How to create structure? How to initialize structure? How to declare structure variable?			
Q.6.	Solve any three of the following	(3x4=12)	
	a) Explain programming process in detail.	\$\forall \forall \fora	
	b) Explain relational and logical operatorsc) Define function. How to pass values into function?		
	d) Write a short note on multidimensional array.		
CA ST	e) Explain array of structure Paper End		