18DCS37

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RV COLLEGE OF ENGINEERING®
(An Autonomous Institution affiliated to VTU)
III Semester B. E. Examinations Nov/Dec-19
Common to CS / IS
BRIDGE COURSE C PROGRAMMING

Time: 02 Hours   *Maximum Marks: 50*
Instructions to candidates:
   1. Answer all Questions.
   2. Question number 1, 6 and 7 are compulsory. Answer any one full question from 2 and 3 and one full question from 4 and 5.

1	a	Draw the flowchart to find the largest of three numbers.	05
	b	List out the rules of identifiers. Give some examples for valid and invalid identifiers.	05

2	a	Explain the following operators with examples.
		  i) Increment and decrement operators.
		  ii) Relational operators.
			06

	b	Write a *C* program to find the largest of two numbers using conditional operator.	04
		OR	
3	a	Discuss the precedence of arithmetic operators in c language with examples.	05
	b	Differentiate between implicit and explicit type conversion in *C* language with example statements for each.	05
4	a	Write a *C* Program to check whether the given number is zero, positive (or) negative, using else if ladder.	05
	b	What is the difference between break and continue statements in looping with examples.	05
		OR	
5	a	Write a *C* program to perform the arithmetic operations (Addition, Subtraction, Multiplication, Division) using switch statement.	06

	b	Write a *C* program to print the following series using for loop.
		  i) 2 4 6 8 10
		  ii) 1 2 3 4 5 6 7 8 9 10
			04

6	a	Write a *C* program to find the largest number in a single dimensional array.	06
	b	Illustrate the usage of string copy and compare functions with an example *C* Program.	04

7	a	Explain the following elements in user defined functions:
		  i) Function declaration
		  ii) Function definition
		  iii) Function call.
			06

	b	Define pointer. How will you declare and initialize the pointer variables.	02
	c	Define the structure, employee with the members: Emp-name, Emp-no. and Emp-salary. And also declare a structure variable to access the member of a structure.	02