Reg.No. _____

Karunya UNIVERSITY

(Karunya Institute of Technology & Sciences)
(Declared as Deemed-to-be University under Sec.3 of the UGC Act, 1956)

End Semester Examination – Nov/Dec – 2016

Code : 13CS101
Sub. Name : Fundamentals of Computing and Programming

Semester : 2016-17 ODD
Duration : 3 hrs
Max. marks : 100

ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)

Q. No.	Sub Div.	Questions	Course Outcome	Marks
1.	a.	Discuss the various computer generation along with the key charateristics of the computers of each generation.	CO1	**15**
	b.	Explain a trypical structure of a URL.	CO1	**5**
		(OR)		
2.	a.	Discuss the components of a computer system.	CO1	**10**
	b.	Model a flow chart and pseudo code for the following problem statement. "Calculate the area of rectangle"	CO2	**5**
	c.	Explain the features of a good programming language.	CO1	**5**
3.	a.	What are the different data types available in C programming.	CO4	**10**
	b.	Write a C program to demonstrate the usage of bitwise operators and explain.	CO3	**10**
		(OR)		
4.	a.	Explain the different types of operators available in C programming.	CO4	**10**
	b.	Discuss the structure of a C program with an example.	CO4	**10**
5.	a.	Draw the flow chart for switch case statement and explain with example.	CO3	**15**
	b.	How do you choose between **while** and **for** loops?	CO4	**5**
		(OR)		
6.	a.	Write a program to check the eligibility of a candidate to poll his vote. If the candidate age is 18 and above print "Eligible to Vote" otherwise print "Not Eligible".	CO3	**10**
	b.	What are formatted and unformatted functions in C programming?	CO4	**10**
7.	a.	How does a function work? Explain how arguments are passed and results are returned?	CO4	**15**
	b.	What is recursion? Explain its advantages.	CO4	**5**
		(OR)		
8.	a.	Write a C program to read 10 integers in an array. Find the largest and smallest number.	CO3	**10**
	b.	Discuss storage classes with example.	CO4	**10**
		Compulsory:		
9.	a.	What is a pointer? Explain the features of pointer.	CO2	**10**
	b.	Elaborate structure and its features also explain array of structure with suitable example.	CO4	**10**

ALL THE BEST