QUESTION PAPER CODE- 52011

University Institute of Engineering & Technology

(Recognised Under Section 2(f) and 12B of UGC)

Kurukshetra University, Kurukshetra

Roll No. -

THEORY EXAMINATION – May 2019	
B.TECH – Reappear	SEMESTER – II

TIME – 3 Hrs.

M.M. - 75

PAPER–CSE-101

SUBJECT - Introduction to Computer Programming

Note: All questions in Part-A and Part-B are compulsory. Attempt any four questions from Part-C selecting at least one from each unit.

PART-A (15 Marks)

Q. No. – 1 Answer the following questions. **15x1=15**

(i)	What is flash memory?
(ii)	What is the range for character constants for 16-bit compiler?
(iii)	What is the purpose of getch ().
(iv)	Write principle of laser printer.
(v)	Write the bitwise operators used in C.
(vi)	Write the conditional operator.
(vii)	What is the use of typedef?
(viii)	What is syntax of union?
(ix)	Difference between formal argument and actual argument?
(x)	Difference between & and && operators?
(xi)	How can we initialize structure?
(xii)	Explain definition of variable?
(xiii)	Write syntax of fread()?
(xiv)	Differentiate between strncat and strcat.
(xv)	What is the difference between functions fgetc() and fgetw()?

PART-B (20 Marks)

	UNIT-I	
2	Explain the primary storage device.	5
	UNIT-II	
3	Define the storages classes in C with example.	5
	UNIT-III	
4	Write a program to search the element from an array.	5
	UNIT-IV	
5	Write a program to find date of birth using enum data type.	5

PART-C (40 Marks)

	UNIT-I	
6	Solve the following: i. $(543)_8$-(577)8 , ii) $(FAFE.CD)_{16}$ +$(EFBC.BE)_{16}$ ii.Explain the working principle of inkjet printer.	6 4
7	Solve the following: i. $(45CD.9E)_{16} = (?)_8$, $(563)_9 - (73)_9$ using 9' complement. ii. What do you understand by algorithm? Write algorithm for finding largest froman array.	4 6
	UNIT-II	
8	i. Write a program to roots of a quadratic equation using switch statement. ii. write the use of break, continue, goto statements with examples	5 5
9	i. write a program to find the whether a number is prime or not . ii. Explain the unary, binary and conditional operators in C with suitable examples.	5 5
	UNIT-III	
10	i. Write a program to concatenate of two strings without using string function. ii. Explain the method of parameter passing techniques to function with suitable example.	5 5
11	i. What is recursion? Write a program to find the Fibonacci series using recursion. ii. Write a program to sort an array.	5 5
	UNIT-IV	
12	i. How the record can be handled in C language using structure. Explain with suitable example? ii.Write a program to handle array-using pointer.	5 5
13	i. Explain the operators used on pointers with example. ii. Explain the use of union within union with suitable example	5 5