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Roll No		Total Pages :
1 .	BT-1/D-12	8013
F	INDAMENTAL OF COM PROGRAMMING Paper-CSE-101E	
Time Allowed : 3 Hours] [1		Maximum Marks : 100
Note :	Attempt five questions in all, question from each Unit, All ques	_
	UNIT-I	
1. (a)	Explain the complementary nur Computer systems. How ne represented?	
(b)	Differentiate between Windowsystem.	s and Linux operating
	Convert: (i) $(732.25)_{10} = (\)_8$ (ii) $(2BD)_{16} = (\)_{10}$ (iii) $(110101.100101)_2 = (\)_{16}$ (iv) $(294.4861)_{10} = (\)_7$	
(b)	(v) $(8932)_{10} = ()_{16}$ Explain the main features of UN	I(X operating system.
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UNIT-II

2	(-)	What are the main differences between the working of		
Э.	(a)	Interpreter and Compiler?		
	(b)	What is the main role of Linker and Loader? 10		
4.	(a)	Write short notes on hub, switch and router. 7.5		
	(b)	Compare Transmission Control protocol (TCP) and Internet Protocol (IP) 7		
	(c)	What Protocols are used in email? Discuss in brief. 5.5		
UNIT-III				
5.	(a)	What is Recursion? Explain with the help of sample program.		
	(b)	Write a program to convert a given four digit decimal number into binary. http://www.kuonline.in 10		
6.	(a)	Explain typecasting with the help of example. 5		
	(b)	Using an example, explain local and external variables and also give their scope. 5		
	(c)	Write a program for Matrix multiplication. 10		
UNIT-IV				
7.	(a)	Write a C program to compare two strings without using stremp().		
	(b)	Differentiate between structure and union. Write the syntax for the declaration of structure and union. 10		
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(a) How files are managed in C language? What are their utilities?

- (b) Explain the operation of following functions:
 - (i) fopen()
 - (ii) getc()
 - (iii) putw()
 - (iv) fscan()
 - (v) ftell().

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