Department of Computer Science & Engineering

2nd Year 2nd Semester Examination, December 2012

Course Name: Introduction to Computer Language

Course No: CSE-203C, Credit: 2

Full Marks: 50

Time: 2 Hours

(Answer any 4 questions taking 2 questions from each group)

Part:A

1. 2	Write the definition of statement and expression with example of C programming language.	_5_
(Jay)	Name 10 keywords	2.5
(4)	Explain how character data type ranges the value from -128 to +127?	5
3/ 2	Convert decimal 1057 to its corresponding binary and octal	3.5+3
(14: 1	Assume a=5, b=7, c=2, d='B'. Find out the value of followings:	2*3
	if $(a < b < c)$ if $(a < b) && (c > 1) (d < b')$ if $(b = -5) d = -65) ?n:c$	
3. a)	Simplify X=(A+ABC)AB And draw the block diagram using gate symbol.	4
b)	Write a program to calculate the 10 prime number from given number.	4.5
c)	Describe the output that will be generated by the following C program.	-4
	#include <stdio.h> void main()</stdio.h>	
	(int i=0, y= 0;	
: 01	for (i=1;i<=10;i++)	
-)	$\bigcirc \qquad \text{(if(i\%2==1))}$	
. 1	y+=i;	
. 1	else	
,	y;	
	printf("%d",y);	
•	break;}	
•	printf("/n y=%d",y)	
	Part:B	
po//2.		
1. 15	Mention all types of unary operator. Give an example of size of with output. */	3 - 1.5
رام ا	Find the output of the following C code:	4,
· · · · · ·	#include <stdio.h></stdio.h>	
2	(intit)	
27.	fin(i-1,in-10;in+)	
11	(if(i%6==0)	
V	{break;}	
	printf("%d\u",i); }} .	
/	· · . · · · · · · · · · · · · · ·	
(3	Write a C program to get the output as below(use iteration logic):	4
. : -	12	
	13 14	
	[4 15 16	
5. 0	Subtract 1000011 from 100011 using 1's complement method.	2
(0)	Write a program that will calculate odd numbers from 10 mixed numbers.	3
· OST	Define the output of the following C code:	3.5
	#include <stdio.h></stdio.h>	
	void main ()	
D		
	float $i = 5$, $j = 5.5$, k ;	
	k =(int)j*2; printf("%.2f", k);	
	printi(70.21 , k),	
de	Write a program for any number whose output is such as (5 is not fixed):	J
7"	0+5=5	7
	1+4=5	
	2+3=5	
	3+2=5	
3	4+1=5	
	5+0=5	0.5
·6. a)	Write the syntax of the switch statement.	2.5
. b)	Write a program to display the binary weight serie 1+2+4+8+16+1024. Also show the sum of this series.	Ü
c)	Rewrite the following code using while statement.	.1
(۲	$for(i = 0: i \le 20: i++)$	
	is(11/3 = = 0) while costs	
	printf("%d",);	
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