

SHIV NADAR

INSTITUTION OF EMINENCE DEEMED TO BE -UNIVERSITY— **DELHI NCR**

Nai	TEST ANSWER BOOK me_ADNA_SINGHAL					
Rol	No. 2410110027 Major BTech CSE					
Course Code CSD101 Course Title Introduction to Computing 120g						
Dat	No. of Continuation Sheets Used					
==	TRUCTIONS FOR THE STUDENTS					
1.	It is mandatory to fill all the entries on the answer sheet such as Roll No., Name, Course Code etc.					
2.	Any identification mark at any other place inside the answer sheet will make it liable to be cancelled.					
3.	Students should take their seats at least ten minutes before the commencement of the exam. Student will not be allowed to leave the examination hall prior to 30 minutes after the commencement of the examination. Candidates arriving late will not be permitted to enter the examination hall 15 minutes after the schedule commencement of the examination.					
4.	Carrying the Identity Card is mandatory, failing which the student will not be permitted to appear for the examination. The student is required to sign in the space provided for signature on the attendance sheet in the presence of the invigilator in Examination Hall.					
5.	Student should follow the instructions given by invigilator at all the stages of the examination. Violation may lead to disciplinary action.					
6.	Any textual material, written or printed, notebooks, notes, programmable calculators, pagers, mobile phones or other electronic devices are not allowed inside the examination hall. Any student who is found either copying or receiving or giving assistance shall be disqualified.					
7.	Please handle your answer sheet with care. After the exam is over, the answer sheet must be handed over to the invigilator before leaving the exam hall. Any candidate who does not return the answer sheet or is found to take it out side the examination hall will be disqualified from the examand					
8.	the Proctoral Board may take further action against him/her as per University rules. This answer book contains 12 pages.					
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Q.No.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	Sub Total	TOTAL
Marks														
Q.No.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	Sub Total	
Marks														

-U	SECTION-A
Ansi)	Identifier is a name given to a function/variable or any user defined item in the program.
	Rule I: It cannot have spaces in between.
	Eg. new num newnum
	Rule 2: It can only start with an alphabet and or underscore and not with a digit.
	Eg galpha _alpha OR alpha_
Ans2)	he use rules of precedence.
	7%7+ 7/7-7*7>>1 0+1-49>>1 -48>>1 a>>1 is given
	$= -48/(2^{1})$ = -24
	Answel
-	

U	SECTION-A
ns.D.	Identifier is a name given to a function/variable or any user defined item in the program.
	Rule I: It cannot have spaces in between.
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	Eg. new num newnum
	Rule 2: It can only start with an alphabet and or
	Rule 2: It can only start with an alphabet and or underscore and not with a digit.
	The World is being to
	Eg galpha _alpha OR alpha_
	O X
m(2)	he use rules of precedence.
(1/20)	
	7%7+7/7-7*7>>1
	0+1-49>>1
	-48771 a>>1 is given
	by
	-48771 $a>71$ is given by $a=a/(2^{1})$
	= -24
	Answel

tru3)	3.
	- (Ans) (B) b, a (2)
	This is because at + is post increment.
	b=6
	and a=a++=7
	3.2
	(Ans) (c) $i=0$; $i<4$, $i++$
	The code given is for historia the minimum number in any
	The code given it for finding the minimum number in an
	The ninimum number in-this array is 8, whereas we get the putput as 10, which means the loop does not iterate
	through the complete array, it only goes till index 3.
(1)	itan 41
(184)	1500 4.1
	Dry run:
	J
	i=0 count=0
1	
	i = 1 count = $1 = (0+1)$
	i=2 count = $3-(1+2)$
	i = 3 count = 6 = (3+3) lutput is (A) 10
	i=4 count=10=(6+4)
	1

-	
-	4.2
	Day 3212:- C= a+b= 6
	The party.
	Here, the function we have to evaluate is foo(6, 3, 3);
	Tito, we follow the second of
	It is equivalent to too (int *x, int *y, int *z)
	The state of the s
	$a=a+1$: $\Rightarrow a=4$
	$a=a+1;$ $\Rightarrow a=4$ $a=c+c=24$ $\Rightarrow a=6+6=12$
./,	(Ans) (B) 12
- /	
	4.3
	32 bit = 4 byte
	cizety of arr = 4x5=20
	ary = 20
16	arr +1=21
\bigcup_{i}	arr+3=23
	-: Output will be 20 21 23

	in (D), all conditions of loop are similar to that given in the flow chart.
	SECTION-B
	function name function header
Ansl)	int addition (int num1, int num2) { network you int sum = num1 + num2; 2 function function definition
	return sum; Jobody
	int main () { int var1; int var2; scanf ("%d", & var1); scanf ("%d", & var2); arguments int ans = addition (var1, var2); function call
	printf ("The answer is %d", ans);
	In this execution of code, first value of varil & var 2 is taken and then function addition is called with varil
	and var 2 as arguments.
	As soon as the function is called, the compiler reads the function definition and returns the value (here, sum) and stores it in a variable ans and prints it.

Ansa) int main () } int n, id, quan; int Sum=0; inv_list [5][2] = { {3,10}, {5,30}, }9,127, {11,157, {15,80}} printf("Enter the no. of bought items: "); scanf ("%d", &n); for (int i=0; i<n; i++)} printf ("Enter item id: "); scanf ("%d", &id); printf("Enter Hern quantity: "); Scanf ("%d", & quan); for (int j=0; j<5; j++) { if (id == inxlist[j][0]){

Sum = Sum+ (quan* inv_list[j][1]) printf ("Total shopping cost is %od", Sum);

```
Ans) int main () }
     int rows = 4;
    for (int i=0; i< 1; i++)}
    for (int j=0; j < i+1; j++){
    for (int l=0; l<i+1) {
     printf (" * " );
    for (int m=rows-1; m<=0; m-) {
     for (int n=0; n<mt); n+t) {
     printf("*");
    for (int p=0; p<2* (rows-m-1); p++) {
     printf (" ");
     for (int q = 0; q < m+1; q++) {
     printf(" * ");
```