



SHIV NADAR

UNIVERSITY—
DELHI NCR

TEST ANSWER BOOK

Nan	ne ADYA SINGHAL
Roll	No. 2410110027 Major BTech CSE
Cou	rse Code CSD101 Course Title Introduction to Computing Programm
Date	No. of Continuation Sheets Used
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0	CCCTION
	SECTION-A
nsD	Identifier is a name given to a function/variable or any user defined item in the program.
	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
	Rule 2: It can only start with an alphabet and or underscore and not with a digit.
	Eg galpha _alpha OR alpha_
	Eg galpha _alpha OR alpha_
	$\left(\begin{array}{c} 1 \\ 1 \end{array}\right)$
ns2)	he me rules of precedence.
	7%7+7/7-7*7>>1
	0+1-49>>1
	-48771 $a>71$ is given by $a=a/(2^{1})$
	by 10010
	= -24
	Answel

	SECTION-A
nel)	Identifier is a name given to a function/variable or any user defined item in the program.
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	Eg. new num Newnum
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	7%1+ 7/7 - 7* 7 >>1 0 +1-49>>1
	$-48>71$ $a>71$ is given by $a=a/(2^{1})$
	= -24 Insul

Ans3)	3.
	(Ans) (B) b, a (2)
	This is because at + is post increment.
	b=6
	and $a=a++=7$
2	3.2
	(Am) (c) i=0; i<4; i++
	The code given is for finding the minimum number in an
	The ninimum humber is this assau is a whereast we get
	The ninimum number in this array is 8, whereas we get the output as 10, which means the loop does not iterate through the complete array, it only goes till index 3.
	through tou complete array, it only goes till index 3.
Ans 4)	i/200 4.1
,	4.
	Duy run:
	i=0 count=0
17	i=1 count = 1 = (0+1)
	i=2 count = 3 = (1+2)
	i = 3 count = 6 = (3+3) lutput is (A) 10
	walk of the state
	i=4 count =10=(6+4)

40	
-	4.2
	Dry 342- C= a+b=6
	ma porta.
	Here, the function we have to evaluate is $foo(6, 3, 3)$;
	It is equivalent to foo (int *x, int *y, int *z)
	ii as officerass of the state o
	$a=a+1:$ $\Rightarrow a=4$
	$a=a+1;$ $\Rightarrow a=4$ $a=c+c=2+5+2+5 \Rightarrow a=6+6=12$
1	(Ans) (B) 12
7	
	4.3
	32 bit = 4 byte
	size of arr = 4x5=20
	ary : 20
14	arr +1=21
	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)	return parameters } function definition type int sum = num1 + num2; Junction return sum; body }
	int main () { int var1; int var2; scanf ("%d", & rar1);
	int ans = addition (var1, vard); = function call printf (" The answer is %d", ans);
5	<u>}</u>
	In this execution of code, first value of variable variables is taken and then function addition is called with variable and variable 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] = { {3,107, {5, 307, {9,127, {11,157, {15,803}}} printf("Enter the no of bought items: "); scanf ("%d", &n); for (int i=0; i<n; i++)} printf ("Enter Hem id: "); scanf ("%d", &id); printf("Enter Hem quantity: "); Scanf ("%d", & quan); for (int j=0; j<5; j++) { if (id == invlist[j][0]){
Sum = Sum+ (quan * inv_list[j][1]) printf ("Total shopping cost is %od", Sum);

```
ani) int main () }
     int rows = 4;
     for (int i=0; i< 10; i+1) {
     for (int j=0, j < i+1; j++){
     for ( mt K=0; K < rows-(2*i)+1; K++)
     for (int K=0; K < 2* (rows-i-1); K++) {
     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 (" * ");
```