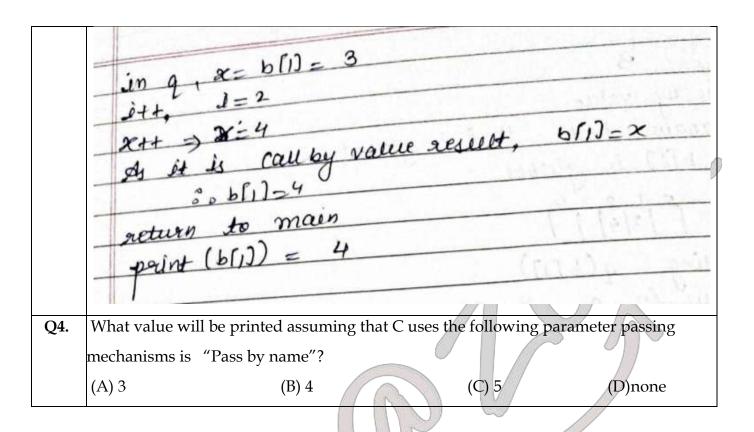
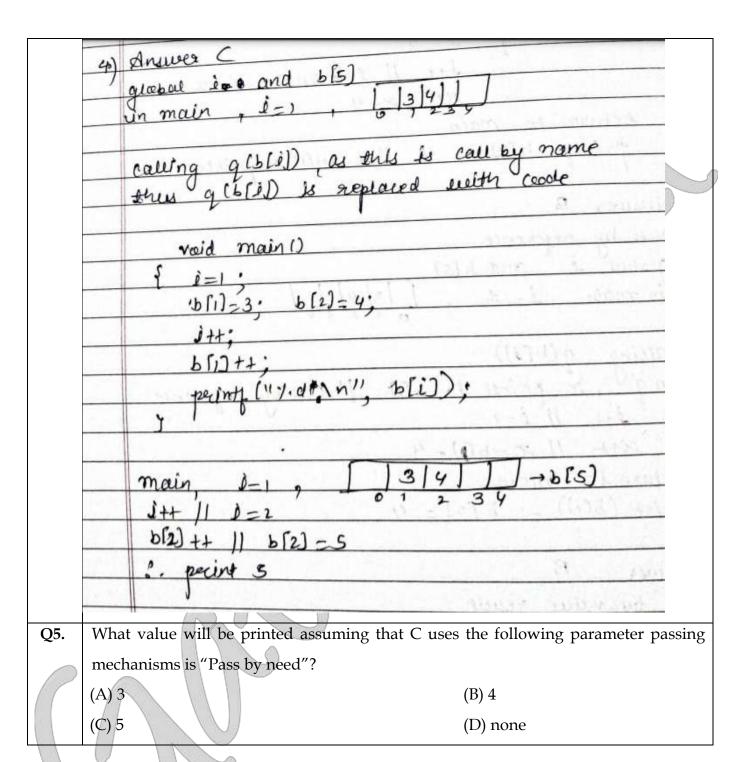
## **Compiler**

## For Next Five Question Consider the following C program: int i, b[5]; void q (int x) i++; x++; void main() i=1;b[1]=3;b[2]=4;q(b[i]); printf("%d $\n"$ , b[i]); What value will be printed assuming that C uses the following parameter passing Q1. mechanisms is "Pass by value"? (C) 5(D)none (A) 311 è is glochail this makes 114 will be printed 6[2] What value will be printed assuming that C uses the following parameter passing Q2.

	mech	nanisms is "Pass by reference"?		
	(A) 3	(B) 4	(C) 5	(D)none
	2.)	Answer B	<u> </u>	
		pass by reference	CAGCAS	1
		grobal i and b [5]	12 41 1	CA de
		in main $l=\pm$	1234	10.4
		calling q(b[i))		FILA
	$\frac{1}{2} \sin q = \frac{1}{2} \times \frac{1}{2} \sin q = \frac{1}{2} \times \frac{1}{2} \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} = \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} = \frac{1}{2} \times \frac{1}{2$			
		Det+ 1/2=b()-4	*	There's
		neturn to main	7.	1 1 -11
		perly (b(i)) - b[2] =	2 - 16ld	8(2) 04 11
				*
Q3.	What value will be printed assuming that C uses the following parameter passin mechanisms is "Pass by value result"?			
	(A) 3	(B) 4	(C) 5	(D)none
	3)	Anwer B		0
	glossed i and b(3)			
8	alreboul i and b(3)			
	in main, $i=1$ $\frac{3}{9}$			
	/	carring q (b[1))	The Red Co.	





```
5) dustween B

(all by need

global i, b[s]

In main I=1, and b[s]=1 3[9]

in 9, I++1 I=2

as the need x, x_1+

in x=6

New x+1=x=8

return to main

posint y=1
```

## Q6. [MSQ]

Consider the following code:

```
int a[]=
{10,20,30,40}
int i = 0;
foo(int x) {
  print x;
  x = x+1;
  i = i+1;
  print x;
}
void main() {
  foo (a[i])
```

Which of the following statement is/are true?

(A) If parameter passing mechanism is "call by reference", then the output of the given code: 10, 11.

- (B) If parameter passing mechanism is "call by name", then the output of the given code: 10, 11.
- (C) If parameter passing mechanism is "call by need", then the output of the given code: 10, 11.
- (D) If parameter passing mechanism is "call by value", then the output of the given code: 10, 11.

```
6) Answer A, B, C, D

Call by value

Q[0]=10=\times

perint \times 11 10

Now \times=\times+1 => \times=11

Now \times=\times+1

j+=1./J &= \pm

perint \times 11 \times 11

perint \times 10 11 \times 11

perint \times 10 11 \times 10 11

perint \times 10 11 \times 10 11
```

## Q7. [MSQ]

Consider the following code

```
int n = 1;
void display (int x) {
print x + n;
}
void increment() {
n = n + 2;
print n;
}
void main() {
int n = 200;
display(7);
n = 50;
increment();
print n;
}
```

Which of the following statement is/are true?

(A) If the Static Scoping is used then printed output is: 8 52 50