1.

Which combination of the integer variables 'x', 'y' and 'z' makes the variable 'result' get the value 4 in the following expression?

```
#include<stdio.h>
int main(void)
{
	int x=?, y=?, z=?;

	int result = ( x > y ) ? (( x > z ) ? x : z) : (( y > z ) ? y : z );
	printf("\n result=%d", result);

	return 0;
}
```

A. x = 3, y = 4, z = 2
B. x = 6, y = 5, z = 4
C. x = 6, y = 4, z = 5
D. x = 5, y = 4, z = 6

Answer: A

2.

What will be output of following code ?

```
#include <stdio.h>
int main( void )
{
	int i=0, j=1, k=2, m;

	m = i++ || j++ || k++;
	printf("\n m=%d i=%d j=%d k=%d", m, i, j, k);

	i=0, j=1, k=2, m;
	m = i++ && j++ && k++;
	printf("\t m=%d i=%d j=%d k=%d", m, i, j, k);

	return 0;
}
```

A. m=1 i=1 j=0 k=2 m=1 i=1 j=1 k=3
B. m=1 i=1 j=0 k=3 m=0 i=1 j=2 k=3
C. m=1 i=1 j=2 k=2 m=0 i=1 j=1 k=2
D. m=0 i=1 j=2 k=3 m=1 i=1 j=1 k=2
E. None of these

Answer: C

3.
What will be output of following code ?

```
#include<stdio.h>
int main(void)
{
	int num1=50, num2=60, num3=70, result=0;

	result=!((num3+num2)>(num1 + ((num3+num2+num1)/3)));
	printf("\n result = %d", !result - 1);

	return 0;
}
```

A. result = 1
B. compile time error as invalid number of brackets
C. result =-1
D. result = 0

Answer: D

4.
What will be output of following code ?

```
#include<stdio.h>
int main( void )
{
	int var1=10,var2=20, var3=5;
	var2-= --var1 - var3++;
	printf("val3=%d var2=%d var1=%d", var3,var2,var1);
	return 0;
}
```

A. val3=6 var2=17 var1=8
B. val3=6 var2=17 var1=9
C. val3=6 var2=15 var1=9
D. val3=6 var2=16 var1=9

Answer: D

5.
What will be output of following code ?

```
#include<stdio.h>
int main(void)
{
	int t,a=2*3-1,b=1+3*3,c=0+3*3+3*2;

	t=++a && ++b, ++a, ++a || ++c;
	printf("t=%d a=%d b=%d c=%d",t,a,b,c);

	return 0;
}
```

A. t=7 a=8 b=10 c=15
B. t=6 a=7 b=10 c=14
C. t=1 a=8 b=11 c=15
D. t=6 a=18 b=11 c=15

Answer : C