



Question 2

Not yet answered

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1.00

Flag question

What will be the value of m if  $x = 7$  ?

$m = (x > 5 ? 4 : 8);$

Select one:

- a. 4
- b. 8
- c. 0
- d. 5
- e. No output

if( $x > 5$ )  
 $x = 4;$   
else  
 $x = 8;$

**Question 3**

Not yet answered

Marked out of  
1.00

 Flag question

Consider the following structure.

```
struct student
{
    int stdID;
    int age;
    char gender;
    int qty;
} std1, std2;
```

Select the incorrect statement/s about the above structure.

Select one or more:

- a. std1 and std2 are user defined data types.
- b. 'student' is a user defined data type.
- c. 'struct student' is a keyword.
- d. struct is a keyword.
- e. stdID, age, gender, qty are user defined data types.

What will be the output of following code segment if user inputs 'A' as letter?  
(ASCII values of 'A', 'B', 'C', 'D' are 65, 66, 67, 68)

```
char letter;  
int number = 67;  
printf("Enter letter: ");  
scanf("%c", &letter);  
number = ++letter;  
printf("%c\n", number);
```

$$65+1=66$$

A

Select one:

- a. 66
- b. A
- c. 67
- d. 65
- e. B



# NetExam

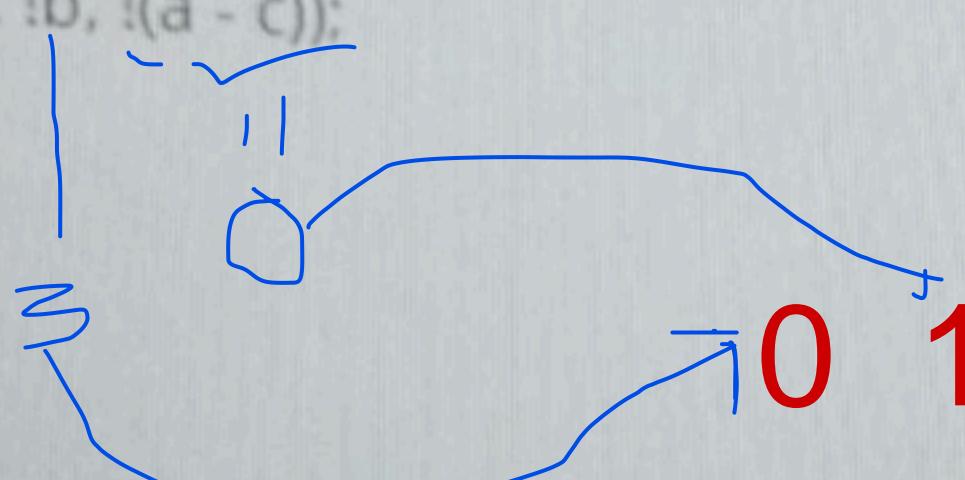
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If  $a = 2$ ,  $b = 3$ ,  $c = 2$ , what will be the output of the following printf statement.

`printf("%d %d", !b, !(a - c));`

Select one:

- a. 0 1
- b. 1 0
- c. 3 0
- d. 0 0
- e. None of the above



What is the output of following code segment?

```
int X = 1, Y = 2;  
X % 2 != 0 ? (X += 2): (Y -= 2);  
printf("%d %d", X, Y);
```

if(x%2 !=0)  
(x+=2);  
else  
(y-=2);  
printf(.....)

Select one:

- a. 3 0
- b. 1 0
- c. 1 2
- d. 0 1
- e. 3 2

$$1+2=3 \quad 0$$



What is the output of following program?

```
int a=3;  
while(a<10) {  
    ++a;  
    if( a>=7 && a<=10 ) {  
        continue;      a++; nextline  
    }  
    printf("%d ", a );  
}  
printf("%d", ++a) =====4
```

Select one:

- a. 4 5 6
- b. 4 5 6 7
- c. 7 8 9 10
- d. 3
- e. 3 4 5 6



Choose the correct output of the following statement:

```
printf("%d+%d",2,4);
```

Select one:

- a. 2+4
- b. 2
- c. 2 4
- d. 6
- e. 4

What is true about the following code segment?

```
int a=23;  
do{  
    printf("%d ", a--);  
    if(a < 20)  
        break;  
}while(1);
```

23

Select one:

- a. It prints infinite list of numbers 23 22 21 20 .....0....-1 -2 -3 ....
- b. It prints 22, 21, 20
- c. it prints 23 22 21 20 19
- d. 23
- e. it prints 23 22 21 20

**Question 23**

Not yet answered

Marked out of  
1.00

 Flag question

What is the output printed to the screen?

```
int i = 10;  
while(i <= 15)  
{  
    ++i;  
    if(i > 14 || i == 11)  
    {  
        continue;  
    }  
    printf("%d ", i);  
}
```

Select one:

- a. 12 13 14
- b. 11 12 13 14 15
- c. 14 15
- d. 11 14 15
- e. None

11 12 13 14

Question 19

Not yet answered

Marked out of  
1.00

Flag question

ASCII value of character 'A' and 'B' are 65 and 66 respectively. What is true about the following code segment?

```
char code1 = 'A';
int code2 = 66;
switch(code1)
{
    case 65: printf("Scotland");break;
    case 66: printf("Ireland"); break;
    default: printf("Europe");
}
printf("PALACE");
switch(code2)
{
    case 'A': printf("England");break;
    case 'B': printf("Wales"); break;
    default: printf("Greenland");
}
```

ScotlandPLACEWaLS

Select one:

- a. Prints ScotlandPALACEEngland
- b. Prints ScotlandPALACEWales
- c. Prints ScotlandPALACEGreenland
- d. Prints EuropePALACEGreenland
- e. PALACE



**Question 16**

Not yet answered

Marked out of  
1.00

Flag question

What is the output of the following code segment?

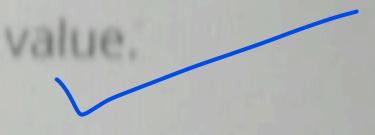
```
int x = 64;  
int c=10;  
printf("\n%d", 2 + x++ + -c);
```

Select one:

- a. 75
- b. 73
- c. 70
- d. 76
- e. 74

Select correct statement/s about variables.

Select one or more:

- a. A value of a variable can be assigned to another variable. 
- b. The data type of the variable decides the appropriate size of the memory location.
- c. The variables must be declared, before they are given a value. 
- d. The names of the variables are not case sensitive. 
- e. Within a program, the value of the variable can be changed only once. 



Question 25

Not yet answered

Marked out of  
0.00

Flag question

What is the output of following code segment?

```
int X = 1, Y = 2;  
X % 2 != 0 ? (X += 2): (Y -= 2);  
printf("%d %d", X, Y);
```

Select one:

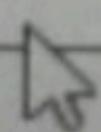
- a. 3 0
- b. 1 0
- c. 3 2
- d. 0 1
- e. 1 2

What will be the value of m if x = 7 ?

$m = (x > 5 ? 4 : 8);$

Select one:

- a. 4
- b. 8
- c. 0
- d. 5
- e. No output





Question **28**

Not yet answered

Marked out of  
1.00

Flag question

What is true about the following code segment?

```
int a=23;  
do{  
    printf("%d ", a--);  
    if(a < 20)  
        break;  
}while(1);
```

Select one:

- a. it prints 23 22 21 20
- b. 23
- c. It prints 22, 21, 20
- d. It prints infinite list of numbers 23 22 21 20 .....0....-1 -2 -3 ....
- e. it prints 23 22 21 20 19



Question 29

Not yet answered

Marked out of  
1.00

Flag question

The ASCII values of 'A' is 65. What is the output of following statement?

```
printf("Character (%c) = value %d and Character (%c) = value %i \n", 'C','C','A','A');
```

Select one:

- a. Character (C) = value 67 and Character (A) = value 65
- b. Character (C) = value 65 and Character (A) = value 67
- c. Character (A) = value 67 and Character (C) = value 65
- d. Character (C) = value 67 and Character (A) = value 67
- e. Character (C) = value 66 and Character (A) = value 65

**Question 30**

Not yet answered

Marked out of  
1.00

Flag question

Find the output of following program.

```
#include<stdio.h>
```

```
int main() {
```

```
    int x = 2;
```

```
    if (x == 2){
```

```
        printf("a");
```

```
        printf("b");
```

```
}
```

```
else
```

```
    printf("c");
```

```
    printf("d");
```

```
return 0;
```

```
}
```

Select one:

a. abcd

b. abc

c. cd

d. ab

e. abcd



Question 8

Not yet answered

Marked out of  
1.00

Flag question

What is true about the following code segment?

```
int a=23;  
do{  
    printf("%d ", a--);  
    if(a < 20)  
        break;  
}while(1);
```

Select one:

- a. 23
- b. it prints 23 22 21 20
- c. it prints 23 22 21 20 19
- d. It prints infinite list of numbers 23 22 21 20 .....0...-1 -2
- e. It prints 22, 21, 20



## Question 9

Not yet answered

Marked out of  
1.00

Flag question

Select the correct statement/s about the comments in C program.

Select one or more:

- a. Comments are not executed by the compiler.
- b. Comments are case Sensitive. X
- c. Comments makes the program more understandable to the humans. X
- d. Comments are always mentioned within a single X
- e. Comments makes the program more understandable to both X



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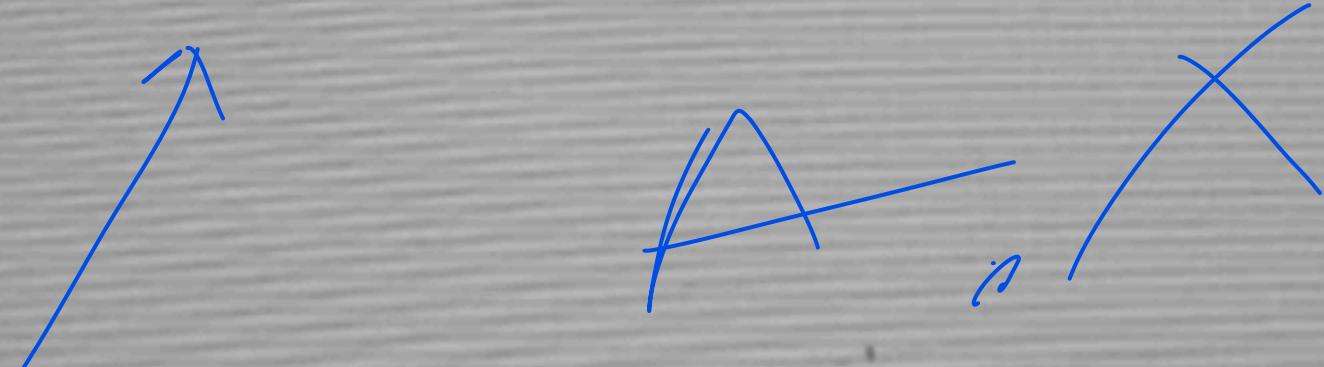
18

answered  
out of  
question

Consider the following structure.

struct point

```
{  
    int x, y;  
} A, B
```



Which of the following will be a valid statement in C.

Select one:

- a.  $\text{int } L = (A.x - B.x) * (A.y + B.y);$  ✓
- b.  $\text{int } L = (A - B) * (A + B);$  ✗
- c.  $\text{int } L = (\text{point}.A - \text{point}.B) * (\text{point}.A + \text{point}.B);$  ✗
- d.  $\text{int } L = (x.A - x.B) * (y.A + y.B);$  ✗
- e.  $\text{int } L = (x - y) * (x + y);$  ✗



Question 12

Not yet answered

Marked out of

.00

Flag question

Select correct statement.

```
int x = 1;  
while (x < 1000)  
{  
    printf("%d ", x);  
    x++;  
}
```

After the execution of above code segment,

Select one:

- a. x = 999 and the loop body will be executed 999 times.
- b. x = 1000 and the loop body will be executed 1000 times.
- c. x = 1000 and the loop body will be executed 999 times.
- d. x = 999 and the loop body will be executed 1000 times.
- e. x = 1001 and the loop body will be executed 1000 times.

## Question 10

Not yet answered

Marked out of  
1.00 Flag question

The ASCII values of 'A' is 65. What is the output of following statement?

```
printf("Character (%c) = value %d and Character (%c) = value %i \n", 'C','C','A','A');
```

Select one:

- a. Character (A) = value 67 and Character (C) = value 65
- b. Character (C) = value 67 and Character (A) = value 65
- c. Character (C) = value 65 and Character (A) = value 67
- d. Character (C) = value 67 and Character (A) = value 66
- e. Character (C) = value 66 and Character (A) = value 65

**Question 11**

Not yet answered

Marked out of  
1.00 Flag question

What is the output of the following code segment?

```
int x = 5 , y = 8, z =8;
```

```
x = y == z && x!=y;
```

```
printf("%d", x);
```

Select one:

- a. 3
- b. 1
- c. 5
- d. 0
- e. Incorrect use of operators



13

answered  
out of  
question

Select the correct statement that initialize the structure member "grade"

struct Subject

{

    char grade;

    int mark;

} Sub1;

Select one:

- a. Subject grade= 'A';
- b. Sub1 grade = 'A';
- c. Sub1.grade = 'A';
- d. Subject.grade = 'A';
- e. grade = 'A';



**Question 16**

Not yet answered

Marked out of  
1.00

Flag question

Choose the correct output of the following statement

`printf("%d+%d",2,4);`

Select one:

- a. 2 4
- b. 2+4
- c. 4
- d. 6
- e. 2

15

answered  
out of  
g question

What will be the output of following code segment if user inputs 2 as the number?

```
switch(number)
{
    case 1:
        printf("Gold");
    case 2:
        printf("Silver");
    case 3:
        printf("Bronze");
    default:
        printf("Invalid");
}
```

Select one:

- a. GoldSilver
- b. Silver
- c. Gold
- d. SilverBronzeInvalid
- e. SilverBronze



Question 18

Not yet answered

Marked out of  
1.00

Flag question

What is the output of the below code segment?

```
int a=4,b,c;  
b = --a;  
c = a--;  
printf("%d %d %d",a,b,c);
```

Select one:

4

- a. 332
- b. 232
- c. 233
- d. 322
- e. None of the above

Question 17

Not yet answered

Marked out of

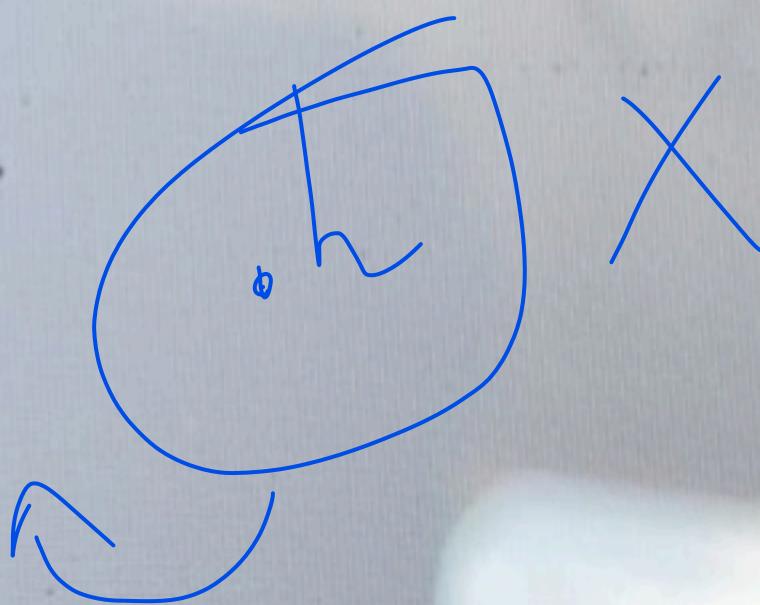
0

Flag question

Select the correct preprocessor directive of C language.

Select one:

- a. #include<iostream>
- b. #include<math.c>
- c. #include<stdio>
- d. #include<string>
- e. None of the above





tion 14

yet answered

ked out of

Flag question

What is the output of below code segment?

```
int a, b;  
int c;  
a = 5;  
b = 3;  
c = b % a / b;  
printf("%d",c);
```

$3 \% 5 / 3$

$$\begin{array}{r} 3 \\ \hline 5 ) 3 \\ 3 \hline 0 \end{array}$$

Select one:

- a. 2
- b. 5
- c. 0
- d. 3
- e. 1

## Question 2

Not yet answered

Marked out of  
1.00

Flag question

What will be the output of the following code segment ?

```
int a = 14;  
while(a < 20)  
{  
    if(a >= 16 && a <= 18)  
    {  
        a++; //  
        continue;  
    }  
    printf("%d ", a);  
    a++;  
}
```

| b X

Select one:

- a. 14 15 18 19
- b. 14 15 19
- c. 15 19 X
- d. 14 15 16 18 19
- e. 15 16 17 18 19



Question 19

Not yet answered

Marked out of

.00

Flag question

Which of the following can be considered as valid variables?

Select one or more:

- a. While 
- b. Number5 
- c. %value 
- d. basicSalary 
- e. Calc amount 



Question 20

Not yet answered

Marked out of

.00

Flag question

What is the output of the below code?

```
int a = 0;  
a = 7 > 2 ? printf("6"): printf("4");  
printf("%d",a);
```

Select one:

- a. 11
- b. 61
- c. 66
- d. 10
- e. 67



What is the output of the following code segment?

```
int x = 64;  
int c=10;  
printf("\n%d", 2 + x++ + --c);
```

Handwritten note: 75

Select one:

- a. 75
- b. 73
- c. 70
- d. 76
- e. 74

Question 29

Not yet answered

Marked out of

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Flag question

ASCII value of character 'A' and 'B' are 65 and 66 respectively. What is true about the following code segment?

```
char code1 = 'A';
int code2 = 66;
switch(code1)
{
    case 65: printf("Scotland");break;
    case 66: printf("Ireland"); break;
    default: printf("Europe");
}
printf("PALACE");
switch(code2)
{
    case 'A': printf("England");break;
    case 'B': printf("Wales"); break;
    default: printf("Greenland");
}
```

Select one:

- a. Prints ScotlandPALACEWales
- b. Prints ScotlandPALACEGreenland
- c. Prints EuropePALACEGreenland
- d. PALACE
- e. Prints ScotlandPALACEEngland

≡ Quiz navigation

Finish attempt...

Time left 0:08:23

1

## QUESTIONS

1	2	3
4	5	6
7	8	9
10		
15	16	17
22	23	24
29	30	
		1

## FEEDBACK

31



Question 16

Not yet answered

Marked out of

Flag question

Select correct statement/s about variables.

Select one or more:

- a. Within a program, the value of the variable can be changed only once.
- b. The names of the variables are not case sensitive.
- c. The data type of the variable decides the appropriate size of the memory allocation.
- d. The variables must be declared before they are given a value.
- e. A value of a variable can be assigned to another variable.

When y = 5 , which of the following printf statements will be executed.

switch (y)

{

case 5: printf("Case 1\n");

case 3: printf("Case 3\n");

default: printf("\*\*\*\*\n");

}

Select one:

a.

printf("Case 1\n");

b.

printf("Case 1\n");

printf("Case 3\n");

printf("\*\*\*\*\n");

c.

printf("Case 1\n");

printf("\*\*\*\*\n");

d.

printf("\*\*\*\*\n");

e.

printf("Case 1\n");

What is the output printed to the screen?

```
int i = 10;  
while(i <= 15)  
{  
    ++i;  
    if(i > 14 || i == 11)  
    {  
        continue;  
    }  
    printf("%d ", i);  
}
```

Select one:

- a. 12 13 14
- b. 11 12 13 14 15
- c. 14 15
- d. 11 14 15
- e. None



Question 24

Not yet answered

Marked out of  
0

Flag question

What is the output of the below code segment?

```
int a=4,b,c;  
b = --a;  
c = a--;  
printf("%d %d %d",a,b,c);
```

Select one:

- a. 3 3 2
- b. 2 3 2
- c. 2 3 3
- d. 3 2 2
- e. None of the above

What is true about the following code segment?

```
int a=23;  
do{  
    printf("%d ", a--);  
    if(a < 20)  
        break;  
}while(1);
```

Select one:

- a. it prints 23 22 21 20 19
- b. It prints infinite list of numbers 23 22 21 20 .....0....-1 -2 -3 ....
- c. it prints 23 22 21 20
- d. 23
- e. It prints 22, 21, 20



8

Answered  
part of  
question

Select correct statements about the following program

```
int main(void) {  
    int a = 1;  
    if(a++ > 0)  
        if (++a < 3){  
            ++a;  
            printf("if");  
        }  
    else  
        printf("else");  
    return 0;  
}
```

Select one or more:

- a. nothing is printed to the screen
- b. prints if
- c. incorrect placement of else statement
- d. prints else
- e. the value of a is equal to 3 at the end of the program



Question 22

Not yet answered

Marked out of

0.00

Flag question

Which of the following statements are correct about the following code segment?

```
int k = 12;  
switch(k){  
    case k >= 20: printf("Case1 ");break;  
    case k < 20: printf("Case2"); break;  
    default: printf("Default");  
}  
printf("exit");
```

Select one:

- a. prints case2Defaultexit
- b. case statements are invalid
- c. expression used in switch is invalid
- d. prints Default
- e. prints case2exit

Next page

FEEDBACK

31

Consider the following for loop.

```
int x;  
for ( x = 10 ; x <= 20 ; x+=2 )  
    printf("%d ", x);
```

10

How many times the expressions  $x = 10$ ,  $x \leq 20$ ,  $x += 2$  will be executed in the loop.

Select one:

- a. 1, 5, 5
- b. 1, 10, 10
- c. 1, 6, 5
- d. 1, 11, 5
- e. 1, 7, 6



tion 28

yet answered

ked out of

Flag question

What is the output of following code segment?

```
float a = 5.55 + 4.8;
```

```
printf("%d", (int) a );
```

~~10.35~~

Select one:

- a. 10.35
- b. 10
- c. 5.55
- d. 5
- e. 9

Select correct statement/s about a C program.

Select one or more:

- a. Each call to printf causes printing to begin at the next line.
- b. C Variable should have both data type and an identifier.
- c. You can use /\* for single line comments.
- d. stdio.h header file contains standard output library functions only.
- e. Compiler translates the C program into object code.

What is the output of the below code?

```
int a = 0;  
a = 7 > 2 ? printf("6"): printf("4");  
printf("%d",a);
```



Select one:

- a. 11
- b. 61
- c. 66
- d. 10
- e. 67

Moodle

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Question 27  
Not yet answered  
Marked out of 1.00  
Flag question

If the ASCII value of A is 65 and a is 97, what will be the output of the following C code?

```
printf("%c", 'A' + 32);
```

Select one:

- a. a
- b. 'a'
- c. 97
- d. Can't write a statement like above
- e. 'A' + 32



Question 30

Not yet answered

Marked out of  
1.00

Flag question

What is the output of the following program.

```
int main(void)
{
    int a = 10;
    int b = 6;
    a = a + b;
    ++a;
    printf("%d \n", a+5);
}
```

a=16  
17

Select one:

- a. 10
- b. 17
- c. 19
- d. 18
- e. 6



### Question 29

Not yet answered

Marked out of  
1.00

Flag question

Select the correct scanf statement to read a *real number* as a user input.

Select one or more:

- a. `scanf("%lf", &number);`
- b. `scanf("%.2f\n", &number);`
- c. `scanf("%.2f", &number);`
- d. `scanf("%f\n", &number);`
- e. `scanf("%f", &number);`

Consider the following structure.

```
struct student
```

```
{
```

```
    int stdID;
```

```
    int age;
```

```
    char gender;
```

```
    int qty;
```

```
} std1, std2;
```

Select the incorrect statement/s about the above structure.

Select one or more:

- a. std1 and std2 are user defined data types.
- b. 'student' is a user defined data type.
- c. 'struct student' is a keyword.
- d. stdID, age, gender, qty are user defined data types.
- e. struct is a keyword.



Question 23

Not yet answered

Marked out of  
1.00

Flag question

Which one of the following is a loop construct that will always be executed at least once?

Select one:

- a. for
- b. while
- c. do while
- d. None of the above
- e. All of the above



ion 16

et answered  
ked out of

Flag question

What will be the output of following code segment if user inputs 'A' as letter?  
(ASCII values of 'A', 'B', 'C', 'D' are 65, 66, 67, 68)

```
char letter;  
int number = 67;  
printf("Enter letter: ");  
scanf("%c", &letter);  
number = ++letter;  
printf("%c\\n", number);
```

Select one:

- a. 67
- b. 65
- c. B
- d. A
- e. 66



### Question 29

Not yet answered

Marked out of  
1.00

Flag question

Select the correct scanf statement to read a real number as a user input.

Select one or more:

- a. `scanf("%lf", &number);`
- b. `scanf("%.2f\n", &number);`
- c. `scanf("%2f", &number);`
- d. `scanf("%f\n", &number);`
- e. `scanf("%f", &number);`

Select the suitable control structure/s for the given scenario

scenario: A program should be implemented to input the votes into a system to select the best candidate for the student council at SLIIT. There are 5 candidates and each candidate name is given to be inserted in order to vote. At the end, the candidate with the highest number of votes will be elected as the Student President at SLIIT.

- A. Selection
- B. Iteration
- C. Sequential

Select one:

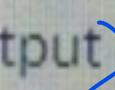
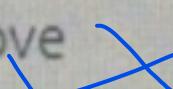
- a. A , B, C
- b. A, B only
- c. A, C only
- d. C only
- e. B, C only

Consider the following C code.

```
if (finalMark >= 45)
    if (CAMark >= 45)
        printf("Pass");
    else
        printf("Fail");
```

Which of the following will be **true** about the above C code.

Select one or more:

- a. The if statement will sometimes display either pass/fail 
- b. Always the if statement will not give any output 
- c. The output of the if statement depends on the values of finalMark, CAMark 
- d. Can't write a if statement as above 
- e. The if statement will always display either pass/fail 

ASCII value of character 'A' and 'B' are 65 and 66 respectively. What is true about the following?

```
char code1 = 'A';
int code2 = 66;
switch(code1)
{
    case 65: printf("Scotland");break;
    case 66: printf("Ireland"); break;
    default: printf("Europe");
}

printf("PALACE");
switch(code2)
{
    case 'A': printf("England");break;
    case 'B': printf("Wales"); break;
    default: printf("Greenland");
}
```

Select one:

- a. Prints ScotlandPALACEEngland
- b. Prints ScotlandPALACEWales
- c. PALACE
- d. Prints EuropePALACEGreenland
- e. Prints ScotlandPALACEGreenland



Select the suitable control structure/s for the given scenario

scenario: A program should be implemented to input the votes into a system to select the best candidate for the position of Student President at SLIIT. There are 5 candidates and each candidate name is given to be inserted in order to vote. At the end, the candidate with maximum votes will be elected as the Student President at SLIIT.

- A. Selection
- B. Iteration
- C. Sequential

Select one:

- a. A. C only
- b. A, B only
- c. B, C only
- d. C only
- e. A, B, C

If  $a = 2$ ,  $b = 3$ ,  $c = 2$ , what will be the output of the following printf statement.

```
printf("%d %d" , !b, !(a - c));
```

Select one:

- a. 0 1
- b. 1 0
- c. 3 0
- d. 0 0
- e. None of the above



**Question 12**

Not yet answered

Marked out of  
1.00

Flag question

What is the output of following program?

```
int a=3;  
while(a<10) {  
    ++a;  
    if( a>=7 && a<=10 ) {  
        continue;  
    }  
    printf("%d ", a );  
}
```

Select one:

- a. 4 5 6
- b. 4 5 6 7
- c. 7 8 9 10
- d. 3
- e. 3 4 5 6

If  $a = 2$ ,  $b = 3$ ,  $c = 2$ , what will be the output of the following printf statement.

```
printf("%d %d", !b, !(a - c));
```

Select one:

- a. 0 1
- b. 1 0
- c. 3 0
- d. 0 0
- e. None of the above

What is the output of following program?

```
while(1) {  
    printf("Hello");  
    break;  
}
```

Select one:

- a. Hello
- b. No output
- c. Hello is printed unlimited number of times
- d. Can't determine the output
- e. "Hello"



Select correct statement/s about variables.

Select one or more:

- a. A value of a variable can be assigned to another variable.
- b. Within a program, the value of the variable can be changed only once.
- c. The data type of the variable decides the appropriate size of the memory location.
- d. The names of the variables are not case sensitive.
- e. The variables must be declared, before they are given a value.



What will be the output of following code segment if user inputs 'A' as letter?  
(ASCII values of 'A', 'B', 'C', 'D' are 65, 66, 67, 68)

```
char letter;  
int number = 67;  
printf("Enter letter: ");  
scanf("%c", &letter);  
number = ++letter;  
printf("%c\\n", number);
```

Select one:

- a. 66
- b. A
- c. B
- d. 67
- e. 65

What will be the value of m if x = 7 ?

$m = (x > 5 ? 4 : 8);$

Select one:

- a. 4
- b. 8
- c. 0
- d. 5
- e. No output



Question 23

Not yet answered

Marked out of  
1.00

Flag question

Which of the following are correct related to flowcharts

Select one or more:

- a. It is an algorithm
- b. It's a diagram that represents a workflow
- c. It uses arrows to show the order
- d. All of the above
- e. None of the above



Question 10

Not yet answered

Marked out of  
0.00

Flag question

Select the correct condition/s that needs to use to get the output as "X = 12" in the following C code section:

```
int X = 0;  
while( _____ )  
{  
    X += 2;  
}  
printf("X = %d\n", X);
```

Select one or more:

- a.  $X \neq 12$
- b.  $X \leq 12$
- c.  $X \geq 12$  *X*
- d.  $X < 12$
- e.  $X \leq 10$

Select the suitable control structure/s for the given scenario

scenario: A program should be implemented to input the votes into a system to select the best candidate for the student council at SLIIT. There are 5 candidates and each candidate name is given to be inserted in order to vote. At the end, the candidate with the highest number of votes will be elected as the Student President at SLIIT.

- A. Selection
- B. Iteration
- C. Sequential

Select one:

- a. A , B, C
- b. A, B only
- c. A, C only
- d. C only
- e. B, C only

tion 22

yet answered

xed out of

Flag question

What is the output of the following piece of code?

```
int i;  
for(i = 0; i<5; i++);  
printf("%d", i);
```

Select one:

- a. Syntax error
- b. 012345
- c. 01234
- d. 5
- e. 4





**Question 25**

Not yet answered

Marked out of  
1.00

Flag question

What is the output of following program?

```
int a=3;  
while(a<10) {  
    ++a;  
    if( a>=7 && a<=10 ) {  
        continue;  
    }  
    printf("%d ", a );  
}
```

Select one:

- a. 4 5 6
- b. 4 5 6 7
- c. 7 8 9 10
- d. 3
- e. 3 4 5 6



**Question 20**

Not yet answered

Marked out of  
1.00

Flag question

Which of the following statements are correct about the following code segment?

```
int k = 12;  
switch(k){  
    case k >= 20: printf("Case1 ");break;  
    case k < 20: printf("Case2"); break;  
    default: printf("Default");  
}  
printf("exit");
```

Select one:

- a. case statements are invalid
- b. prints Default
- c. prints case2Defaultexit
- d. prints case2exit
- e. expression used in switch is invalid



### Question 11

Not yet answered

Marked out of  
1.00

Flag question

Select the correct statement that initialize the structure member "grade"

struct Subject

{  
    char grade;

    int mark;

} Sub1;

Select one:

- a. Subject.grade= 'A';
- b. Sub1.grade = 'A';
- c. grade = 'A';
- d. Sub1.grade = 'A';
- e. Subject.grade = 'A';



Question 24

Not yet answered

Marked out of

0

Flag question

- Select the **most** suitable control structure/s to implement a C program for the given scenario: Write a program to enter positive numbers until the user enters a negative number
- A. if-else
  - B. while
  - C. switch

sequential control= do while, while  
counter control = for , while, do- while

Select one:

- a. C only
- b. A only
- c. A and B only
- d. B only
- e. B and C only



If the ASCII value of A is 65 and a is 97, what will be the output of the following C statement.  
`printf("%c", 'A'+ 32);`

Select one:

- a. 'A' + 32
- b. a
- c. 97
- d. 'a'
- e. Can't write a statement like above

23

answered  
out of  
question

A C program needs to be developed for the given scenario

scenario: Check the age of a Sri Lankan citizen for vaccination. The age must be between 20 and 29.

What would be the ideal control structure/s to be used ?

- A. Selection
- B. Iteration
- C. Sequential

Select one:

- a. A and B
- b. B
- c. A
- d. C
- e. A and C



## Question 24

Not yet answered

Marked out of  
0.00

Flag question

Consider the following structure.

```
struct subject
{
    int academicYear;
    int semester;
    int noOfCredits;
    int noOfStudents;
}IP, MC;
```

Select the incorrect statement/s about the use of 'subject'.

Select one or more:

- a. struct subject MC;
- b. MC.semester = IP.semester;
- c. IP = "Introduction to Programming" X
- d. printf("%d", IP); X
- e. IP.academicYear = 1; ✓

Which of the following statements are correct about the following code segment?

```
int k = 12;  
switch(k){  
    case k >= 20: printf("Case1 ");break;  
    case k < 20: printf("Case2"); break;  
    default: printf("Default");  
}  
printf("exit");
```

Select one:

- a. expression used in switch is invalid
- b. prints case2Defaultexit
- c. prints Default
- d. prints case2exit
- e. case statements are invalid

X



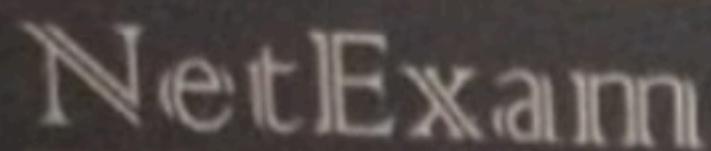
Sri Lanka Institute of Information Technology

Select the correct condition/s that needs to use to get the output as "X = 12" in the following C code segment.

```
int X = 0;  
while( _____ )  
{  
    X += 2;  
}  
printf("X = %d\n", X);
```

Select one or more:

- a. X <= 12
- b. X != 12
- c. X <= 10
- d. X < 12
- e. X >= 12



Sri Lanka Institute of Information Technology

Select the **most** suitable control structure/s to implement a C program for the given scenario  
scenario: Write a program to enter positive numbers until the user enters a negative number

- A. if-else
- B. while
- C. switch

Select one:

- a. B and C only
- b. C only
- c. A and B only
- d. B only
- e. A only

**Question 21**

Not yet answered

Marked out of  
1.00 Flag question

Find the output of following program.

```
#include<stdio.h>

int main() {
    int x = 2;
    if (x == 2){
        printf("a");
        printf("b");
    }
    else
        printf("c");
    printf("d");
    return 0;
}
```

Select one:

- a. abc
- b. ab
- c. cd
- d. abd
- e. abcd

Select the correct statement that initialize the structure member "grade"

struct Subject

(

    char grade;

    int mark;

) Sub1;

Select one:

- a. Subject.grade= 'A';
- b. Sub1.grade = 'A';
- c. grade = 'A';
- d. Sub1.grade = 'A';
- e. Subject.grade = 'A';



tion 6

yet answered

ked out of

flag question

Which one of the following is a loop construct that will always be executed at least once?

Select one:

- a. for
- b. while
- c. do while
- d. None of the above
- e. All of the above

Select the statement that best describe sentinel control repetition

Select one:

- a. Any repetition statement in C language can be used
- b. Number of repetition is unknown at the beginning
- c. Sentinel value can't be zero
- d. All of the above
- e. None of the above

Consider the following structure.

```
struct subject
{
    int academicYear;
    int semester;
    int noOfCredits;
    int noOfStudents;
}IP, MC;
```



Select the incorrect statement/s about the use of 'subject'.

Select one or more:

- a. IP = "Introduction to Programming";
- b. printf("%d", IP);
- c. MC.semester = IP.semester;
- d. struct subject MC;
- e. IP.academicYear = 1;



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on

Consider the following C code.

```
if (finalMark >= 45)
    if (CAMark >= 45)
        printf("Pass");
    else
        printf("Fail");
```

Which of the following will be **true** about the above C code?

Select one or more:

- a. The if statement will always display either pass/fail
- b. The output of the if statement depends on the values of finalMark, CAMark
- c. The if statement will sometimes display either pass/fail
- d. Can't write a if statement as above
- e. Always the if statement will not give any output



## Question 4

Not yet answered

Marked out of  
1.00

Flag question

What is the output of following program?

```
int i = 0, j = 0;  
do {  
    if(i % 5 == 0){  
        printf("%d", j);  
        j++;  
    }  
    ++i;  
}while(i<10);  
printf("%d", j );
```

01

Select one:

- a. 01
- b. 123
- c. 0123
- d. 012
- e. 012345



Question 5

Not yet answered

Marked out of

0.00

Flag question

If  $a = 2$ ,  $b = 3$ ,  $c = 2$ , what will be the output of the following printf statement.

```
printf("%d %d", !b, !(a - c));
```

Select one:

- a. 0 1
- b. 1 0
- c. 3 0
- d. 0 0
- e. None of the above

**Question 1**

Not yet answered

Marked out of  
1.00

 Flag question

Select correct statements about the following program

```
int main(void) {  
    int a = 1;  
    if(a++ > 0)  
        if (++a < 3){  
            ++a;  
            printf("if");  
        }  
    else  
        printf("else");  
    return 0;  
}
```

Select one or more:

- a. prints else
- b. prints if
- c. Incorrect placement of else statement
- d. the value of a is equal to 3 at the end of the program
- e. nothing is printed to the screen

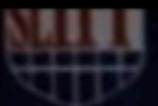


What is the output of the following code segment?

```
int x = 64;  
int c=10;  
printf("\n%d", 2 + x++ + --c);
```

Select one:

- a. 75
- b. 73
- c. 70
- d. 76
- e. 74



**Question 29**

Not yet answered

Marked out of  
1.00

Flag question

What is the output of the following program.

```
int main(void)
{
    int a = 10;
    int b = 6;
    a = a + b;
    ++a;
    printf("%d \n", a++);
}
```

Select one:

- a. 17
- b. 18
- c. 10
- d. 6
- e. 19

Iteration can be implemented using \_\_\_\_\_

Select one or more:

- a. While
- b. For
- c. Do While
- d. Switch Case
- e. All of the above

What will be the output of following code segment if user inputs 'A' as letter?  
(ASCII values of 'A', 'B', 'C', 'D' are 65, 66, 67, 68)

```
char letter;  
int number = 67;  
printf("Enter letter: ");  
scanf("%c", &letter);  
number = ++letter;  
printf("%c\\n", number);
```

Select one:

- a. A
- b. 65
- c. 66
- d. 67
- e. B

What is the output of the following code segment?

```
int x = 5 , y = 8, z =8;  
x = y == z && x!=y;  
printf("%d", x);
```

Select one:

- a. 0
- b. Incorrect use of operators
- c. 3
- d. 5
- e. 1

select correct statement.

```
int x = 1;  
while (x < 1000)  
{  
    printf("%d ", x);  
    x++;  
}
```

After the execution of above code segment,

Select one:

- a. x = 999 and the loop body will be executed 1000 times.
- b. x = 1000 and the loop body will be executed 1000 times.
- c. x = 1001 and the loop body will be executed 1000 times.
- d. x = 999 and the loop body will be executed 999 times.
- e. x = 1000 and the loop body will be executed 999 times.

ation 29

yet answered

Marked out of

0

Flag question

≡ Quiz navigation

Finish attempt...

Time left 0:08:23



QUESTIONS

1	2	3
4	5	6
7	8	9
10		
11	12	13
14	15	16
17	18	19
20	21	22
23	24	25
26	27	28
29	30	31

FEEDBACK



ASCII value of character 'A' and 'B' are 65 and 66 respectively. What is true about the following code segment?

```
char code1 = 'A';
int code2 = 66;
switch(code1)
{
    case 65: printf("Scotland");break;
    case 66: printf("Ireland"); break;
    default: printf("Europe");
}
printf("PALACE");
switch(code2)
{
    case 'A': printf("England");break;
    case 'B': printf("Wales"); break;
    default: printf("Greenland");
}
```

Select one:

- a. Prints ScotlandPALACEWales
- b. Prints ScotlandPALACEGreenland
- c. Prints EuropePALACEGreenland
- d. PALACE
- e. Prints ScotlandPALACEEngland

29

yet answered

Marked out of

0

Flag question

ASCII value of character 'A' and 'B' are 65 and 66 respectively. What is true about the following code segment?

```
char code1 = 'A';
int code2 = 66;
switch(code1)
{
    case 65: printf("Scotland");break;
    case 66: printf("Ireland"); break;
    default: printf("Europe");
}
printf("PALACE");
switch(code2)
{
    case 'A': printf("England");break;
    case 'B': printf("Wales"); break;
    default: printf("Greenland");
}
```

Select one:

- a. Prints ScotlandPALACEWales
- b. Prints ScotlandPALACEGreenland
- c. Prints EuropePALACEGreenland
- d. PALACE
- e. Prints ScotlandPALACEEngland

≡ Quiz nav

Finish attempt...

Time left 0:08:23



## QUESTIONS

1	2	3
8	9	10
15	16	17
22	23	24
29	30	31

## FEEDBACK



19

answered  
out of

question

What is the output of the following piece of code?

```
int i;  
for(i = 0; i<5; i++);  
    printf("%d", i);
```



Select one:

- a. 01234
- b. Syntax error
- c. 012345
- d. 4
- e. 5

What will be the value of m if x = 7 ?

$m = (x > 5 ? 4 : 8);$

Select one:

- a. 4
- b. 8
- c. 0
- d. 5
- e. No output



**Question 30**

Not yet answered

Marked out of  
1.00

Flag question

Iteration can be implemented using \_\_\_\_\_

Select one or more:

- a. While
- b. For
- c. Do While
- d. Switch Case
- e. All of the above



Question 30

Not yet answered

Marked out of

0.00

Flag question

Select the statement that best describe sentinel control repetition

Select one:

- a. Any repetition statement in C language can be used
- b. Number of repetition is unknown at the beginning
- c. Sentinel value can't be zero
- d. All of the above
- e. None of the above

When  $y = 5$ , which of the following printf statements will be executed.

switch ( $y$ )

{

    case 5: printf("Case 1\n");

    case 3: printf("Case 3\n");

    default: printf("\*\*\*\*\n");

}

Select one:

- a.

printf("Case 1\n");  
printf("\*\*\*\*\n");

- b.

printf("Case 1\n");

- c.

printf("Case 1\n");  
printf("\*\*\*\*\n");

- d.

printf("\*\*\*\*\n");

- e.

printf("Case 1\n");  
printf("Case 3\n");  
printf("\*\*\*\*\n");

ASCII value of character 'A' and 'B' are 65 and 66 respectively. What is true about the following code segment?

```
char code1 = 'A';
int code2 = 66;
switch(code1)
{
    case 65: printf("Scotland");break;
    case 66: printf("Ireland"); break;
    default: printf("Europe");
}
printf("PALACE");
switch(code2)
{
    case 'A': printf("England");break;
    case 'B': printf("Wales"); break;
    default: printf("Greenland");
}
```

Select one:

- a. PALACE
- b. Prints ScotlandPALACEWales
- c. Prints EuropePALACEGreenland
- d. Prints ScotlandPALACEGreenland
- e. Prints ScotlandPALACEEngland

Which of the following statements are correct about the following code segment?

```
int k = 12;  
switch(k){  
    case k >= 20: printf("Case1 ");break;  
    case k < 20: printf("Case2"); break;  
    default: printf("Default");  
}  
printf("exit");
```

Select one:

- a. prints case2Defaultexit
- b. prints Default
- c. prints case2exit
- d. expression used in switch is invalid
- e. case statements are invalid

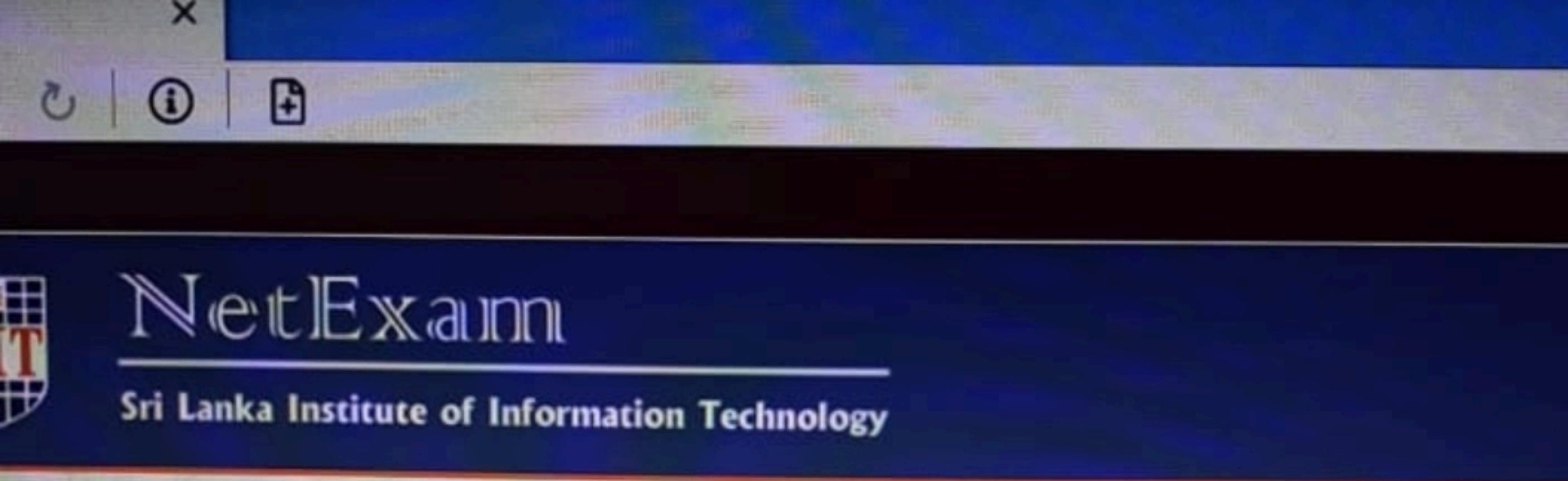
If the ASCII value of A is 65 and a is 97, what will be the output of the following C statement.

```
printf("%c", 'A'+ 32);
```

Select one:

- a. 'A' + 32
- b. Can't write a statement like above
- c. 97
- d. a
- e. 'a'





Which of the following can be used to access the memory address of a variable?

Select one:

- a. @
- b. ^
- c. +
- d. #
- e. &

What is true about the following for loop?

```
int k;  
for(k=1; k <= 3;) {  
    printf("%d ", k);  
}
```

Select one:

- a. 1 is printed infinite number of times
- b. compiler error
- c. 111
- d. 123
- e. none of the above

Consider the following output.

```
Hi  
I am Kethaki  
I am studying at SLIIT
```

Which of the following code segments will generate the above output.

Select one or more:

- a. `printf("Hi");  
printf("I am Kethaki");  
printf("I am studying at SLIIT");`
- b. `printf("Hi");  
printf("\nI am Kethaki");  
printf("\nI am studying at SLIIT");`
- c. `printf("Hi\n");  
printf("I am Kethaki\n");  
printf("I am studying at SLIIT");`
- d. `puts("Hi");  
puts("I am Kethaki");  
puts("I am studying at SLIIT");`
- e. `puts("Hi\n");  
puts("I am Kethaki\n");  
puts("I am studying at SLIIT");`

The ASCII values of 'A' is 65. What is the output of following statement?

```
printf("Character (%c) = value %d and Character (%c) = value %i \n", 'C','C','A','A');
```

Select one:

- a. Character (C) = value 67 and Character (A) = value 65
- b. Character (C) = value 67 and Character (A) = value 67
- c. Character (C) = value 66 and Character (A) = value 65
- d. Character (C) = value 65 and Character (A) = value 67
- e. Character (A) = value 67 and Character (C) = value 65

Assume  $i = 3, j = 5$  and  $k = 1$ . Select the correct output of the following C statements.

1. `printf( "%d", j - i < k && 7 - j >= k );`
2. `printf( "%d", i >= 1 || j < 4 );`

Select one:

- a. 0 0
- b. 0 1
- c. 1 1
- d. 1 0
- e. 2 2 1 5

Iteration can be implemented using \_\_\_\_\_

Select one or more:

- a. While
- b. For
- c. Do While
- d. Switch Case
- e. All of the above

Select the correct statement that initialize the structure member "grade"

```
struct Subject
```

```
{
```

```
    char grade;
```

```
    int mark;
```

```
} Sub1;
```

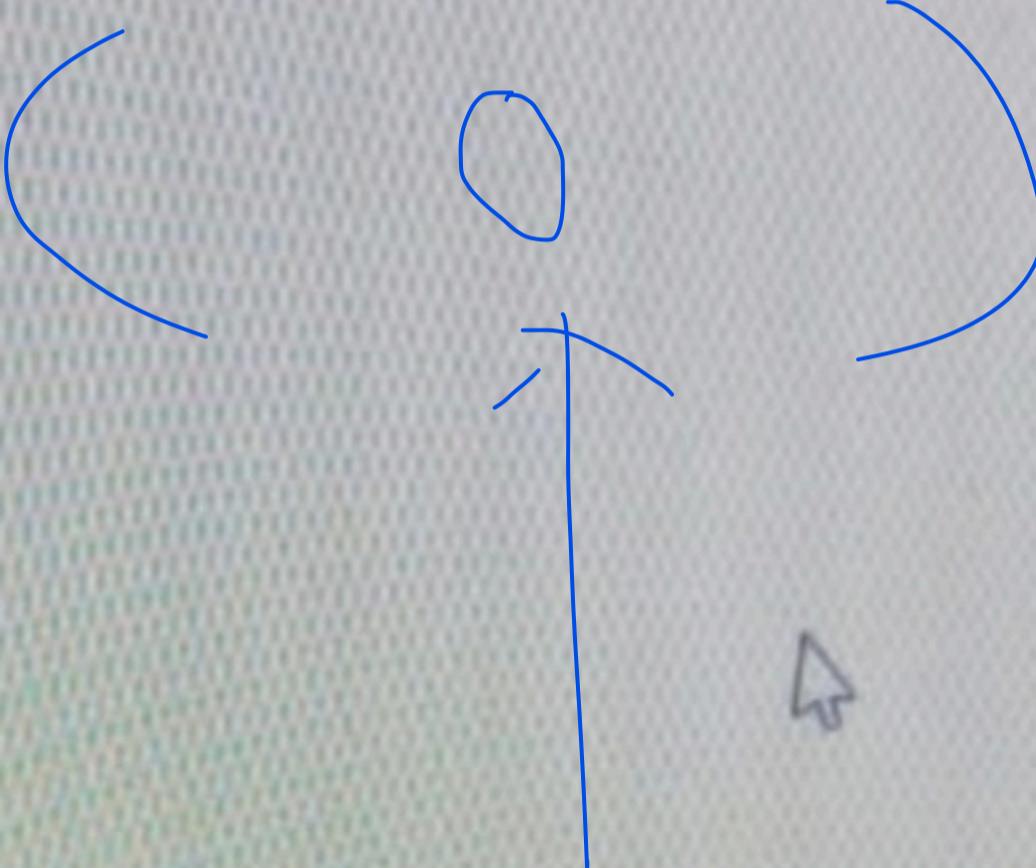
Select one:

- a. Sub1.grade = 'A';
- b. grade = 'A';
- c. Sub1 grade = 'A';
- d. Subject grade= 'A';
- e. Subject.grade = 'A';



What is the output of the following code?

```
#include <stdio.h>
int main() {
    int value = 0;
    if(value)
        printf("Hello");
    printf("World");
    return 0;
}
```



Select one:

- a. Hello
- b. World
- c. Hello World
- d. Incorrect use of selection statement
- e. None of the above



24

Answered  
out of  
question

Select the suitable control structure/s for the given scenario

scenario: A program should be implemented to input the votes into a system to select the best candidate for the student council at SLIIT. There are 5 candidates and each candidate name is given to be inserted in order to vote. At the end, the candidate with the highest number of votes will be elected as the Student President at SLIIT.

- A. Selection
- B. Iteration
- C. Sequential

Select one:

- a. A , B, C
- b. A, B only
- c. C only
- d. A, C only
- e. B, C only



Which of the following statements are correct about the following code segment?

```
int k = 12;  
switch(k){  
    case k >= 20: printf("Case1 ");break;  
    case k < 20: printf("Case2"); break;  
    default: printf("Default");  
}  
printf("exit");
```

Select one:

- a. prints Default
- b. case statements are invalid
- c. prints case2Defaultexit
- d. expression used in switch is invalid
- e. prints case2exit

What is the output printed to the screen?

```
int i = 10;  
while(i <= 15)  
{  
    ++i;  
    if(i > 14 || i == 11)  
    {  
        continue;  
    }  
    printf("%d ", i);  
}
```

Select one:

- a. 12 13 14
- b. 11 12 13 14 15
- c. 14 15
- d. 11 14 15
- e. None



What is the output of following program?

```
int i = 0, j = 0;  
do {  
    if(i % 5 == 0){  
        printf("%d", j );  
        j++;  
    }  
    ++i;  
}while(i<10);  
printf("%d", j );
```

Select one:

- a. 0123
- b. 01
- c. 012
- d. 123
- e. 012345

**Question 28**

Not yet answered

Marked out of  
1.00

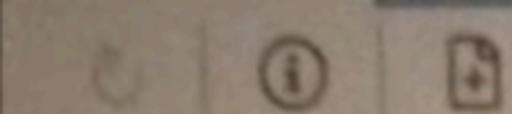
Flag question

Iteration can be implemented using \_\_\_\_\_

Select one or more:

- a. While
- b. For
- c. Do While
- d. Switch Case
- e. All of the above

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# NetExam

Sri Lanka Institute of Information Technology

Select the correct scanf statement to read a real number as a user input.

Select one or more:

- a. `scanf("%lf", &number);`
- b. `scanf("%f", &number);`
- c. `scanf("%2f", &number);`
- d. `scanf("%f\n", &number);`
- e. `scanf("%2f\n", &number);`



## Question 21

Not yet answered

Marked out of  
1.00

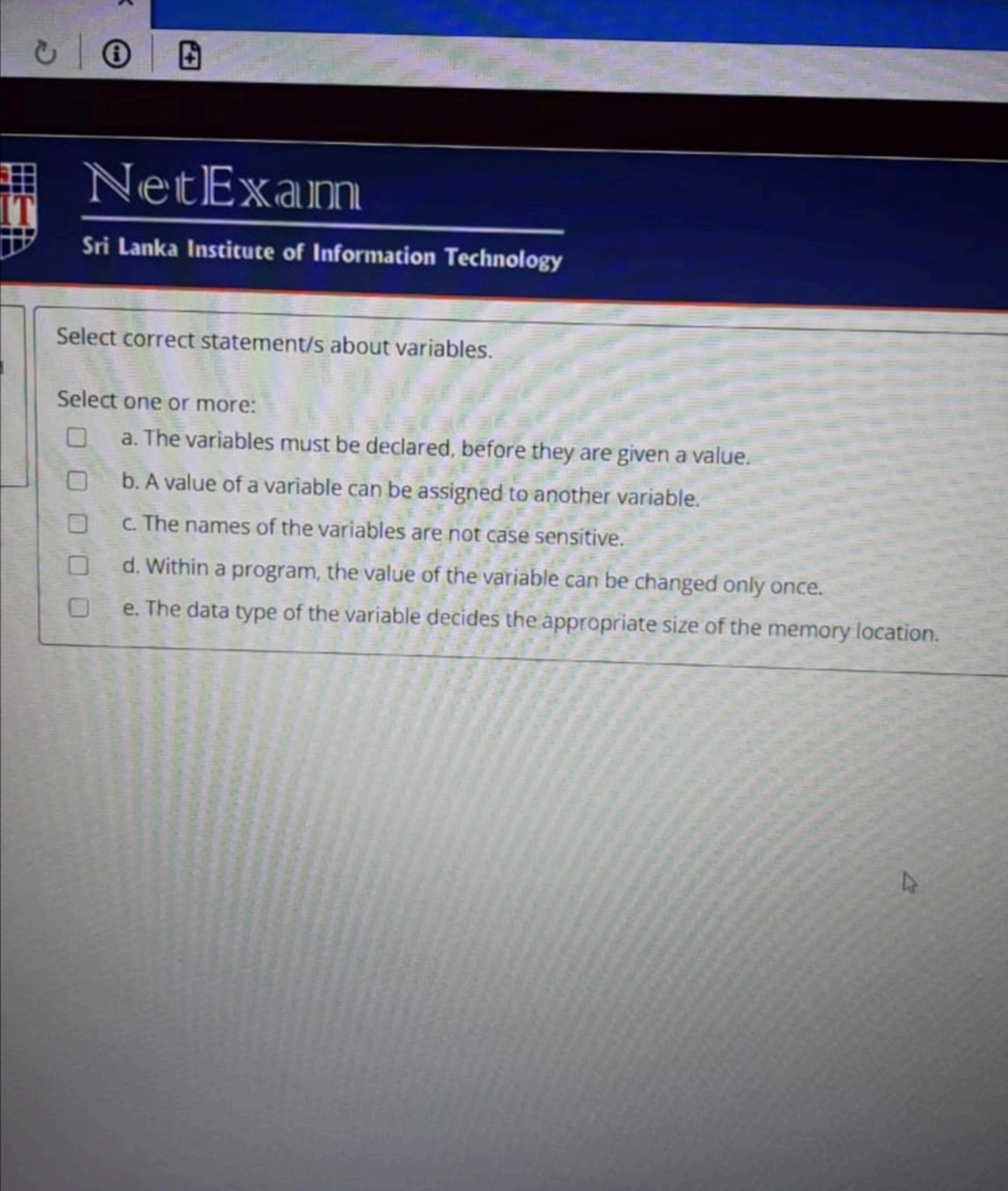
Flag question

What will be the output of following code segment if user inputs 'A' as letter?  
(ASCII values of 'A', 'B', 'C', 'D' are 65, 66, 67, 68)

```
char letter;
int number = 67;
printf("Enter letter: ");
scanf("%c", &letter);
number = ++letter;
printf("%c\n", number);
```

Select one:

- a. A
- b. B
- c. 67
- d. 65
- e. 66



Select correct statement/s about variables.

Select one or more:

- a. The variables must be declared, before they are given a value.
- b. A value of a variable can be assigned to another variable.
- c. The names of the variables are not case sensitive.
- d. Within a program, the value of the variable can be changed only once.
- e. The data type of the variable decides the appropriate size of the memory location.

What is true about the following for loop?

```
int k;  
for(k=1; k <= 3;  
{  
    printf("%d ", k);  
}
```

Select one:

- a. 1 is printed infinite number of times
- b. compiler error
- c. 111
- d. 123
- e. none of the above

**Question 30**

Not yet answered

Marked out of  
1.00

Flag question

Consider the following for loop.

```
int x;  
for ( x = 10 ; x <= 20 ; x+=2 )  
    printf("%d ", x);
```

How many times the expressions  $x = 10$ ,  $x \leq 20$ ,  $x += 2$  will be executed in the loop.

Select one:

- a. 1, 11, 5
- b. 1, 10, 10
- c. 1, 5, 5
- d. 1, 6, 5
- e. 1, 7, 6

Quiz

Finish attempt

Time left: 00:00:00

QUESTION

1 2

3 4

5 6

7 8

9 10

11 12

13 14

15 16

17 18

19 20

What is the output of following program?

```
int i = 0, j = 0;  
do {  
    if(i % 5 == 0){  
        printf("%d", j );  
        j++;  
    }  
    ++i;  
}while(i<10);  
printf("%d", j );
```

Select one:

- a. 012
- b. 012345
- c. 123
- d. 0123
- e. 01

Select the most suitable answer for the missing statement in the program

```
int i = 9;
```

```
int x = 5;
```

```
printf("%d", y);
```

OUTPUT = 19

**int y= x\*2+i**

Select one:

- a. int x=4 / x \* 2 + i; 
- b. int y=x\*2+i; 
- c. int x=4 \* x / 2 + i; 
- d. int x=4 \* x / 2 - i; 
- e. int y=x+i;

Which of the following operators can be used to combine conditions?

Select one:

- a. Arithmetic Operators
- b. Relational Operators
- c. Logical Operators
- d. All of the above
- e. None of the above

Question 30

Not yet answered

Marked out of  
1.00

Flag question

What is the output of the following code segment?

```
int x = 5, y = 8, z = 8;
```

```
x = y == z && x != y;
```

```
printf("%d", x);
```

Select one:

- a. 0
- b. 1
- c. Incorrect use of operators
- d. 5
- e. 3

Select the correct statement/s about the comments in C program.

Select one or more:

- a. Comments are not executed by the compiler.
- b. Comments makes the program more understandable to both humans and the co
- c. Comments are always mentioned within a single line.
- d. Comments makes the program more understandable to the humans.
- e. Comments are case Sensitive.

Select the statement that best describe sentinel control repetition

Select one:

- a. Any repetition statement in C language can be used
- b. Number of repetition is unknown at the beginning X
- c. Sentinel value can't be zero X
- d. All of the above X
- e. None of the above

If the ASCII value of A is 65 and a is 97, what will be the output of the following C statement.

```
printf("%d", 'A'+ 32);
```

Select one:

- a. a
- b. 'a'
- c. Can't write a statement like above
- d. 97
- e. 'A' + 32

What will be the value of m if x = 7 ?

```
m = (x > 5 ? 4 : 8);
```

Select one:

- a. 4
- b. 8
- c. 0
- d. 5
- e. No output