Simplify,

$$\int_{-2}^{-1} |2x+3| \, dx$$

Select one:

- 1
- 2
- 0.5
- -1
- -0.5

stion 2

yet answered

ked out of

Flag question

The first term of an Arithmetic Progression is 22 and the last term is -11. If the sum is 66, the number of terms in the sequence are:

Select one:

- 10
- 12
- 9
- 8
- None of the above

Next page

A committee is composed of a president, a vice president, and a treasurer. If six people are trying out for the three positions, how many different committees result?

Select one:

- 20
- 40
- 60
- 105
- None of the above

Next pa

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stion

A function is said to be _____, if and only if f(a)=f(b) implies that a=b for all a and b in the domain of f.

Select one:

- one-to-one
- one-to-many
- many-to-many
- many-to-one
- None of the above

Next page

n 5
answered
out of
question

How many terms are there in the Geometric Progression 5, 20, 80, 320,..., 20480?

Select one:

- 6
- 7
- 8
- 9
- None of the above

Next page

$f(x) = 2(24 - 5x)^{1/2}$ is a function that is defined for $x \leq 24/5$. Find the inverse function.

Select one:

- $f^{-1}(x) = 24/5 - x^2/20$
- $f^{-1}(x) = 5/2 + x/4$
- $f^{-1}(x) = 24/5 + x^2/20$
- $f^{-1}(x) = 12 - x^2/20$
- None of the above

Next

How many permutations of 3 **different** digits are there, chosen from the ten digits 0 to 9 inclusive?

Select one:

- 84
- 120
- 720
- 520
- None of the above

Next pa

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stion

Find the value of the following definite integral.

$$\int_{-3}^{3} x^3 - x \, dx$$

Select one:

- 5
- -10
- 0
- 4
- None of the above

Next page

Question **9**

Not yet answered

Marked out of 1.00

Flag question

Differentiate, with respect to x,

f(x)= $$(2x-1)^4+(x^2-2)^2$$

Select one:

- $68x^3-96x^2+36x-8$
- $68x^3-288x^2+424x-216$
- $68x^3-192x^2+184x-64$
- $68x^3-96x^2+40x-8$
- None of the above

Differentiate.

$$\frac{\mathrm{d}}{\mathrm{d}x}\left[\left(\sqrt{x}-3\right)\left(x^2-4x\right)\right]$$

Select one:

- $\dfrac{\sqrt{x}\,(5x-12)-12x+24}{2}$
- $\dfrac{\sqrt{x}\,(5x-9)-12x+18}{2}$
- $\dfrac{\sqrt{x}\,(5x-6)-16x+16}{2}$
- $\sqrt{x}\,(5x-9)-6x+9$
- None of the above

Find,

$$\frac{\mathrm{d}}{\mathrm{d}x}\left[\frac{x^2-5}{2x+1}\right]$$

Select one:

- $\dfrac{2\left(x^2+x+5\right)}{(2x+1)^2}$
- $\dfrac{2\left(x^2+x-5\right)}{(2x+1)^2}$
- $\dfrac{2\left(x^2+x+6\right)}{(2x+1)^2}$
- $\dfrac{2\left(x^2+x+11\right)}{(2x+1)^2}$
- None of the above

tion 12
yet answered
ked out of
lag question

Differentiate the following function with respect to x

$$x^{-2} - 3x + 3$$

Select one:

- $-\frac{2}{x^3} - 3$
- $-\frac{1}{x^3} - 3$
- $-\frac{1}{x^3} - 4$
- $\frac{1}{5x^2}$
- None of the above.

Question **13**

Not yet answered

Marked out of 1.00

Flag question

Find,

$$\int \left(x^3 - 4x + 5\right) \mathrm{d}x$$

Select one:

- $\dfrac{x\left(x^3 - 10x + 20\right)}{4} + C$
- $\dfrac{x\left(x^3 - 10x + 24\right)}{4} + C$
- $\dfrac{x\left(x^3 - 8x + 20\right)}{4} + C$
- $\dfrac{x\left(x^3 - 10x - 12\right)}{4} + C$
- None of the above

Question **8**

Not yet answered

Marked out of 3.00

Flag question

Select the Correct Answer.

A variant of Commutative Law is,

A Variant of Associative Law is,

A Variant of Absorption Law is,

Choose...

- Choose...
- (A . B) + C = A + (B . C)
- B.(B + C) = C
- A + (B + C) = (A + B) + C
- A.(A + C) = A
- (A + B) = (B + A)
- A .(B.C) = (A.B) . (A.C)

ion 14
et answered
ed out of
ag question

Select the Correct Answer.

A variant of idempotent Law is, Choose...

A Variant of Identity Law is,

A Variant of Absorption Law is,

- Choose...
- A + A = 0
- (A + A) = A
- A.(A + C) = A
- A.0 = A
- A . 1 = A
- B.B = 1

Select the Correct Answer.

A variant of idempotent Law is, (A + A) = A

A Variant of Identity Law is, A . 1 = A

A Variant of Absorption Law is, A.(A + C) = A

15
nswered
out of
question

Find the dual of the following expression.

a.1 = (a+b+c+1).a

Select one:

- a = (a.b.c)+a
- a+1 = (a.b.c.1)+a
- a+0 = (a.b.c.0)+a
- a+0 = (a.b.c.1)+a
- None of the above

stion **15**

yet answered

ked out of

Flag question

Find the dual of the following expression.

a.1 = (a+b+c+1).a

Select one:

- a = (a.b.c)+a
- a+1 = (a.b.c.1)+a
- a+0 = (a.b.c.0)+a
- a+0 = (a.b.c.1)+a
- None of the above

Question **16**

Not yet answered

Marked out of 4.00

Flag question

Select the suitable answer for each blank.

proof:

$AB + A$

$AB + A1$ [__ 1 __]

$A(B + 1)$ [__ 2 __]

$A(1)$ [__ 3 __]

A [__ 4 __]

Answer 1

Answer 2

Answer 3

Answer 4

Choose...

Distributive Law

Distributive law

De Morgan's Law

Inverse Law

Universal Bound Law

IdentityLaw

Associative Law

Identity Law

Commutative Law

Choose...

Question **17**

Not yet answered

Marked out of 1.00

Flag question

A committee of three individuals decides issues for an organization. Each individual votes either yes or no for each proposal that arises. A proposal is passed if it receives at least two yes votes. Assume that you design a circuit that determines whether a proposal passes. What is the boolean expression which matches the above circuit.

Select one:

- $\bar{X}YZ + X\bar{Y}\bar{Z} + XY\bar{Z} + XYZ$
- $\bar{X}YZ + X\bar{Y}Z + XY\bar{Z} + XYZ$
- $\bar{X}Y\bar{Z} + X\bar{Y}\bar{Z} + XY\bar{Z} + XYZ$
- $\bar{X}Y\bar{Z} + X\bar{Y}\bar{Z} + XY\bar{Z} + \bar{X}YZ$
- None of the above

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on

A committee of three individuals decides issues for an organization. Each individual votes either yes or no for each proposal that arises. A proposal is passed if it receives at least two yes votes. Assume that you design a circuit that determines whether a proposal passes. What is the boolean expression which matches the above circuit.

Select one:

- XY + XZ + YZ
- XYZ + XZ
- XY + XZ
- X.(Y+Z)
- None of the above

Next page

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Question 9

Not yet answered

Marked out of 1.00

Flag question

Find the dual of the following expression.

a.1 = (a+b+c+1).a

Select one:

- a = (a.b.c)+a
- a+1 = (a.b.c.1)+a
- a+0 = (a.b.c.0)+a
- a+0 = (a.b.c.1)+a
- None of the above

Quiz navigat

Question **19**

Not yet answered

Marked out of 1.00

Flag question

Find the answer for the following binary addition.

10101010 + 11001100

Select one:

- 0101110110
- 01000100
- 1101110100
- 1011110101
- None of the above.

ered

of

tion

Calculate the 2's complement for the following binary number.

1010101111111

Select one:

- 11101101100011
- 10111111001111
- 10101100001100
- 0101010000001
- None of the above.

21

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question

Convert the number 1096_{10} to equivalent binary numbers.

Select one:

- 10000101000
- 1111100111
- 10001001000
- 11111001111
- None of the above.

on 22
t answered
d out of
g question

Find the answer for the following binary division.

10100011 ÷ 10

Select one:

- Quotient = 10100011 & Remainder = 01
- Quotient = 01010101 & Remainder = 01
- Quotient = 01010001 & Remainder = 00
- Quotient = 1011000 & Remainder = 10
- None of the above.

on 23
t answered
d out of
g question

Convert the number 100111.1101_2 to the equivalent decimal number.

Select one:

- 37.9375
- 39.8125
- 55.3125
- 49.6875
- None of the above.

Question **24**

Not yet answered

Marked out of 1.00

Flag question

Find the answer for the following binary multiplication.

11100010 × 111

Select one:

- 11000101110
- 11111111001
- 10101100000
- 010010100110
- None of the above.

Next page

Question **15**

Not yet answered

Marked out of 1.00

Flag question

Find the answer for the following binary division.

10101010 ÷ 11

Select one:

- Quotient = 1011000 & Remainder = 01
- Quotient = 0111000 & Remainder = 01
- Quotient = 0111000 & Remainder = 10
- Quotient = 1011000 & Remainder = 11
- None of the above.

Question 25

Not yet answered

Marked out of 1.00

Flag question

Convert the number 408_9 to equivalent decimal numbers.

Select one:

- 561
- 692
- 298
- 332
- None of the above.

Simplify the following boolean expression.

(A + B)(A + C)

(Write the answer without the spaces)

Answer:

n 1
answered
out of
question

Select incorrect statement/s regarding "w" file opening mode.

```
FILE *ptr;
ptr = fopen("readMe.dat","w");
```

Select one:

- 1. The content will be added to the beginning of the file
- 2. The "readMe.dat" file will be empty
- 3. If the file doesn't exist, a new file will be created.
- 4. If the file doesn't exists, the file pointer will be always null
- 5. If the file exist, it will over write the previous content.

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on

Lecturer wants to store the assignment1, assignment2 and final exam marks of 120 students in a class. Which of the following is/are the suitable array declaration/s to store these details.

Select one or more:

- [ ] 1. int marks[3];
- [ ] 2. int marks[3][120];
- [ ] 3. int marks[120][3];
- [ ] 4. int marks[120];
- [ ] 5. int marks[360];

Next page

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confirm that the work submitted for this online examination is my own work, without the use of any unpermitted aids or esources. I further declare that I have not received any assistance from an individual, a group of individuals, or an rganization for the submitted work. I understand that SLIIT has no tolerance for academic dishonesty, and any form of cademic dishonesty will lead to automatic failure from the module. SLIIT will take additional disciplinary actions against ne, according to the Institute's approved rules and regulations.

Next page

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A machine code

Select one or more:

- 1. only understand by computers
- 2. is a binary code
- 3. written using highlevel language
- 4. written in low level language
- 5. can be easily understand by human

ion 3
et answered
ed out of
g question

What will happen when the following code segment is executed ?

```
int arr[5];
int temp = arr[0];
for (i=0; i < 4; i++)
{
    arr[i] = arr[i+1];
}
arr[i] = temp;
```

Select one:

- 1. Values of the first element and the last element are exchanged
- 2. Values of the array are rotated to backward direction
- 3. Values of the array is reversed
- 4. Values of the first element and the second element are exchanged
- 5. Values of the array are rotated to forward direction

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tion

The C statement "if ((x == 1) || (y == 2)) {}" can be re-written as

Select one:

- 1. if (x = 1);
  if (y = 2) {}
- 2. if (x == 1){}
  if (y == 2){}
- 3. If ((x = 1) || (y = 2)){}
- 4. if (x == 1){}
  else if (y == 2){}
- 5. if (x == 1)
  if (y == 2){}

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What will happen when the following code segment is executed?

```
int arr1[6]= { 10, 15, 20, 25, 30, 35} ;
int arr2[6] = {0};

for (i=0; i < 6; i++)
{
    arr2[i] = arr1[5-i];
}
```

Select one or more:

- 1. arr1 values are stored in arr2 in reverse order
- 2. arr1 values are stored in arr2 in the same order
- 3. arr1 values will not be changed
- 4. arr2 values are reversed and stored in arr1
- 5. arr2 values are stored in arr1 in the same order

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What will happen when the following code segment is executed?

```
int arr1[6]= { 10, 15, 20, 25, 30, 35} ;
int arr2[6] = {0};

for (i=0; i < 6; i++)
{
    arr2[i] = arr1[5-i];
}
```

Select one or more:

- 1. arr1 values are stored in arr2 in the same order
- 2. arr1 values will not be changed
- 3. arr1 values are stored in arr2 in reverse order
- 4. arr2 values are reversed and stored in arr1
- 5. arr2 values are stored in arr1 in the same order

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Flag question

What is the common use/s of break statement?

Select one or more:

- 1. Immediate escape from a loop
- 2. Skip from the current iteration of a loop
- 3. Terminate the program
- 4. immediate escape from switch statement
- 5. None of the above

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Select the correct statement/s about functions

Select one or more:

- 1. The function body should have atleast one program statement
- 2. A function helps program debugging easier
- 3. A function name always should start with a letter
- 4. Function is a block of statements that perform some specific task
- 5. The function body can have only one return statement

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Select the correct statement/s about assert statement

Select one or more:

- 1. assert is used to test a function
- 2. assert statements written only in the main program
- 3. assert can terminate a program
- 4. assert statement always writes at the beginning of a program
- 5. assert gives an error message

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Select incorrect statement/s regarding "w" file opening mode.

```
FILE *ptr;
ptr = fopen("readMe.dat","w");
```

Select one:

- 1. The "readMe.dat" file will be empty
- 2. If the file doesn't exists, the file pointer will be always null
- 3. If the file exist, it will over write the previous content.
- 4. If the file doesn't exist, a new file will be created.
- 5. The content will be added to the beginning of the file

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What is the value of x ?

int x = 20 / 3 + (5 - 1) * 2 - 60 % 12

Select one:

- a. 14
- b. 4
- c. 9
- d. 14.33
- e. 4.33

A student has written the following C code to calculate the average height of students in the class. The program should read the heights from the keyboard until the user input -99. However program executes in an infinite loop.

```
float height, total , avg ;
int count = 0;
printf("Pls input the height");
scanf("%f", &height);
while ( height != -99)
{
        total = total + height;
}
avg = total / 5;
printf("%.2f", avg);
```

Select the reason to have a infinite loop during execution.

Select one:

- 1. The scanf statement to take the keyboard inputs is not included inside the loop
- 2. The value of count variable has not been changed inside the loop
- 3. The total and avg variables are not initialized.
- 4. The count variable is not initialize with 1.
- 5. The condition in the while loop is incorrect.

Question **6**

Not yet answered

Marked out of 2.00

Flag question

A student has written the following C code to calculate the average height of students in the class. The program should read the heights from the keyboard until the user input -99. However program executes in an infinite loop.

```
float height, total , avg ;
int count = 0;
printf("Pls input the height");
scanf("%f", &height);
while ( height != -99)
{
        total = total + height;
}
avg = total / 5;
printf("%.2f", avg);
```

Select the reason to have a infinite loop during execution.

Select one:

- 1. The condition in the while loop is incorrect.
- 2. The total and avg variables are not initialized.
- 3. The scanf statement to take the keyboard inputs is not included inside the loop
- 4. The count variable is not initialize with 1.
- 5. The value of count variable has not been changed inside the loop

n 9
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d out of
g question

What is a Computer Program?

Select one or more:

- [ ] 1. A set of data given to the computer
- [ ] 2. A set of lines given to the computer
- [ ] 3. A sequence of instructions given to the computer
- [ ] 4. A set of step by step instructions written using a programming language
- [ ] 5. A set of instructions given by the computer

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Question **5**

Not yet answered

Marked out of 2.00

Flag question

The C statement "if ((x == 1) || (y == 2)) {}" can be re-written as

Select one:

- 1. if ((x = 1) || (y = 2)){}
- 2. if (x == 1){}
  else if (y == 2){}
- 3. if (x = 1);
  if (y = 2)) {}
- 4. if (x == 1){}
  if (y == 2){}
- 5. if (x == 1)
  if (y == 2){}

stion 10

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ked out of

Flag question

what is the value of x ?

int x = 50 % 6 + 2 *3 + (4 - 1) / 2 + 9

Select one:

- 1. 16
- 2. 24
- 3. 18
- 4. 18.5
- 5. 24.5

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n 6

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d out of

g question

What is the common use/s of break statement?

Select one or more:

- 1. Immediate escape from a loop
- 2. Skip from the current iteration of a loop
- 3. Terminate the program
- 4. immediate escape from switch statement
- 5. None of the above

Question 7

Not yet answered

Marked out of 2.00

Flag question

Select the correct statement/s about functions.

Select one or more:

- [ ] 1. Functions are set of statements that can be re-used any number of times.
- [ ] 2. A function can return more than one value
- [ ] 3. A function can return only one value
- [ ] 4. A function can be called inside another function many times.
- [ ] 5. Every C program should have atleast one function

Implement a function called rewards ( ) to calculate the points earned by a customer for his/her transaction by passing the transaction amount to be paid(with out cents) as the function parameter.

int rewards(int amount);

The points are calculated as follows:

For the transaction amount below Rs.1000/- or Rs.1000/-, 1 point for each hundred rupees.

For transaction amount above Rs.1000/-, 1 point for each hundred rupees upto 1000/- and 1.5 points for the remaining hundred rupees.

E.g.: If the total amount to be paid is Rs.3000 /-, the points earned is calculated as shown below:

points = (1 point for each 100 rupees in the first 1000 rupees) + (1.5 points for each thousand in the remaining 2000 rupees)

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Question **7**

Not yet answered

Marked out of 2.00

Flag question

When an assertion statement fails

Select one:

- 1. No action takes place
- 2. Display a message and abort the program
- 3. Abort the program
- 4. Continue with the next statement after assert
- 5. display a message

Question 8

Not yet answered

Marked out of 2.00

Flag question

Select incorrect statement/s regarding "w" file opening mode.

```
FILE *ptr;
ptr = fopen("readMe.dat","w");
```

Select one:

- 1. If the file doesn't exists, the file pointer will be always null
- 2. The "readMe.dat" file will be empty
- 3. The content will be added to the beginning of the file
- 4. If the file doesn't exist, a new file will be created.
- 5. If the file exist, it will over write the previous content.

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What is the common use/s of break statement?

Select one or more:

- 1. Immediate escape from a loop
- 2. Skip from the current iteration of a loop
- 3. Terminate the program
- 4. immediate escape from switch statement
- 5. None of the above

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Question **9**

Not yet answered

Marked out of 2.00

Flag question

A fashion store has 4 branches and asks 7 customers to rate their customer service in each branch. The rate value will be given like this.

1 – Very poor, 2 – Week, 3 – Satisfactory, 4 – Good, 5 – Excellent

The fashion store expects to gather these details within 2D array that already created.

Select the suitable array/s to store these details.

Select one or more:

- 1. int service[7][5];
- 2. int service[6][3];
- 3. int service[7][4];
- 4. int service[4][7];
- 5. int service[5][7];

Next page

MCQ

1

9

ESSAY

11

19

ESSAY

25

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Question **10**

Not yet answered

Marked out of 2.00

Flag question

Lecturer wants to store the assignment1, assignment2 and final exam marks of 120 students in a class. Which of the following is/are the suitable array declaration/s to store these details.

Select one or more:

- 1. int marks[120][3];
- 2. int marks[120];
- 3. int marks[3][120];
- 4. int marks[360];
- 5. int marks[3];

Next page

Quiz

1

MCQ (2 M

1 2

8 9

ESSAY (5 M

11 12

18 19

ESSAY (10 M

25

Consider the following table having two columns. First column has line numbers and the second has different programing statements and expressions. Write the line numbers of the relevant statements in correct order to obtain the following output.

No	Supportive components for program writing
1	{
2	}
3	for(int j=0;j<=6;j++)
4	printf("* ");
5	for(int j=1;j<=6;j++)
6	printf("\n ");
7	for(int j=0;j<=16;j++);
8	for(int j=1;j == 6;j++)
9	for(int k=1;k<=6;k++)
10	for(int k=j;k<=6;k++)
11	if (j == k)
12	else

Output

```
* * * * * *
* * * * * *
* * * * * *
* * * * * *
* * * * * *
```

≡ Quiz navig

1

MCQ (2 MARKS EA

1 2 3

8 9 10

ESSAY (5 MARKS EA

11 12 13 14

18 19 20 21

ESSAY (10 MARKS EA

25

FEEDBACK

26

Finish attempt ...

Time left 1:38:55

5	for(int j=1;j<=6;j++)
6	printf("\n ");
7	for(int j=0;j<=16;j++);
8	for(int j=1;j == 6;j++)
9	for(int k=1;k<=6;k++)
10	for(int k=j;k<=6;k++)
11	if (j == k)
12	else

Output

```
* * * * * *
* * * * * *
* * * * * *
* * * * * *
* * * * * *
* * * * * *
```

Suppose that 10 students face an aptitude test at SLIIT and the marks are stored in an array called **marks**. You are asked to complete the following C program to find the number of pass and fail students. The pass mark is the average mark of the students.

```
#include <stdio.h>
int main(void)
{
    float marks[10] = { 75.00, 45.00, 61.00, 91.00, 55.00, 43.00, 78.00, 56.00,95.00,12.00};
    ..................................
    ..................................
    ..................................
    return 0;
}
```

B I

if

Quiz na

1

MCQ (2 MARK

1 2 3

9 10

ESSAY (5 MARK

11 12 13

19 20 21

ESSAY (10 MARKS

25

FEEDBACK

26

Finish attempt ...

Time left 1:31:44

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Question **12**

Not yet answered

Marked out of 5.00

Flag question

Complete the following C code to reverse the data stored in an array. (use a loop)

starting array values

2	5	8	4	9

after reverse array values

9	4	8	5	2

```
# include <stdio.h>
int main(void)
{
        int num[5] = {2, 5, 8, 4, 9};
        ..........................................
        ..........................................
        ..........................................
        return 0;
}
```

Question **13**

Not yet answered

Marked out of 5.00

Flag question

Copy and modify the given program to apply the coding conventions.

A courier service states their delivery charges according to the package size and the distance.

Service Type	Distance (km)	Charge for First 1 kg	Charge for additional 1 kg
Economy (E)	<= 10	200/=	100/=
	> 10	300/=	200/=
Standard (S)	<= 10	250/=	150/=
	> 10	350/=	250/=

The user inputs the service type, package size in kilograms and distance of the delivery in Kilometers through the keyboard. The program should display the payment of the customer for courier service. After displaying the payment of first customer, the program should prompt "Do you need more courier services?" If the user inputs "Y", program should ask for the service type, package size and distance of next service. If the user inputs "N" program should terminate.

```
#include <stdio.h>
int main()
{float distance, size, payment;
char type, answer;
do{
printf("Enter service type : ");
```

odle ×

```
#include <stdio.h>
int main()
{float distance, size, payment;
char type, answer;
do{
printf("Enter service type : ");
scanf(" %c", &type);
printf("Enter package size in kg : ");
scanf("%f", &size);
printf("Enter distance in km : ");
scanf("%f", &distance);
if(type=='E'){
if(distance<=10)
payment=200+(size-1)*100;
else
payment=300+(size-1)*200;}
else if(type=='S'){
if(distance<=10)
payment=250+(size-1)*150;
else
payment=350+(size-1)*250;}
else {
printf("Invalid service type\n");
payment=0;}
printf("The payment is %.2f\n",payment);
printf("\n");
```

```
scanf(" %c", &type);
printf("Enter package size in kg : ");
scanf("%f", &size);
printf("Enter distance in km : ");
scanf("%f", &distance);
if(type=='E'){
if(distance<=10)
payment=200+(size-1)*100;
else
payment=300+(size-1)*200;}
else if(type=='S'){
if(distance<=10)
payment=250+(size-1)*150;
else
payment=350+(size-1)*250;}
else {
printf("invalid service type\n");
payment=0;}
printf("The payment is %.2f\n", payment);
printf("\n");
printf ("Do you need more courier services? ");
scanf(" %c", &answer);}while(answer== 'Y')
return 0;}
```

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Re-write the following code segment using if statements. Write the optimal code (us

```
switch( number){
    case 1 : printf("odd number"); break;
    case 2 : printf("even number"); break;
    case 3 : printf("odd number"); break;
    case 4 : printf("even number"); break;
    case 5: printf(odd number"); break;
    default : printf(" invalid input");
}
```

```
#include<stdio.h>
int main (void){

    if ( case 1
```

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Question 14

Not yet answered

Marked out of 5.00

Flag question

A company uses a text file called "employee.dat" to store their employee details (employee no,name,designation). When a new employee joins the company, his/her details are added to the file.

Complete the following C code to input the details of 5 employees from the keyboard and store in the employee.dat file.

A sample of existing file is given below.

```
E001 Kumara    Director
E002 Nadeeja   Manager
E003 Thushara  AGM
```

```
# include <stdio.h>
int main(void)
{
    ......................
    ......................
    ......................
    return 0;
}
```

MCQ

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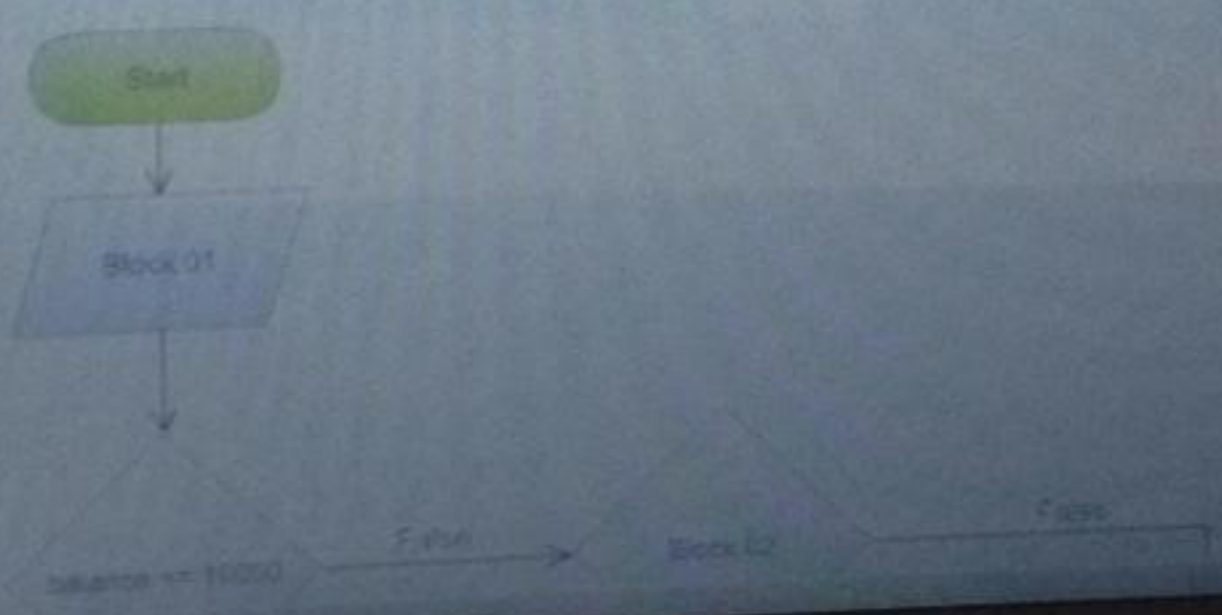
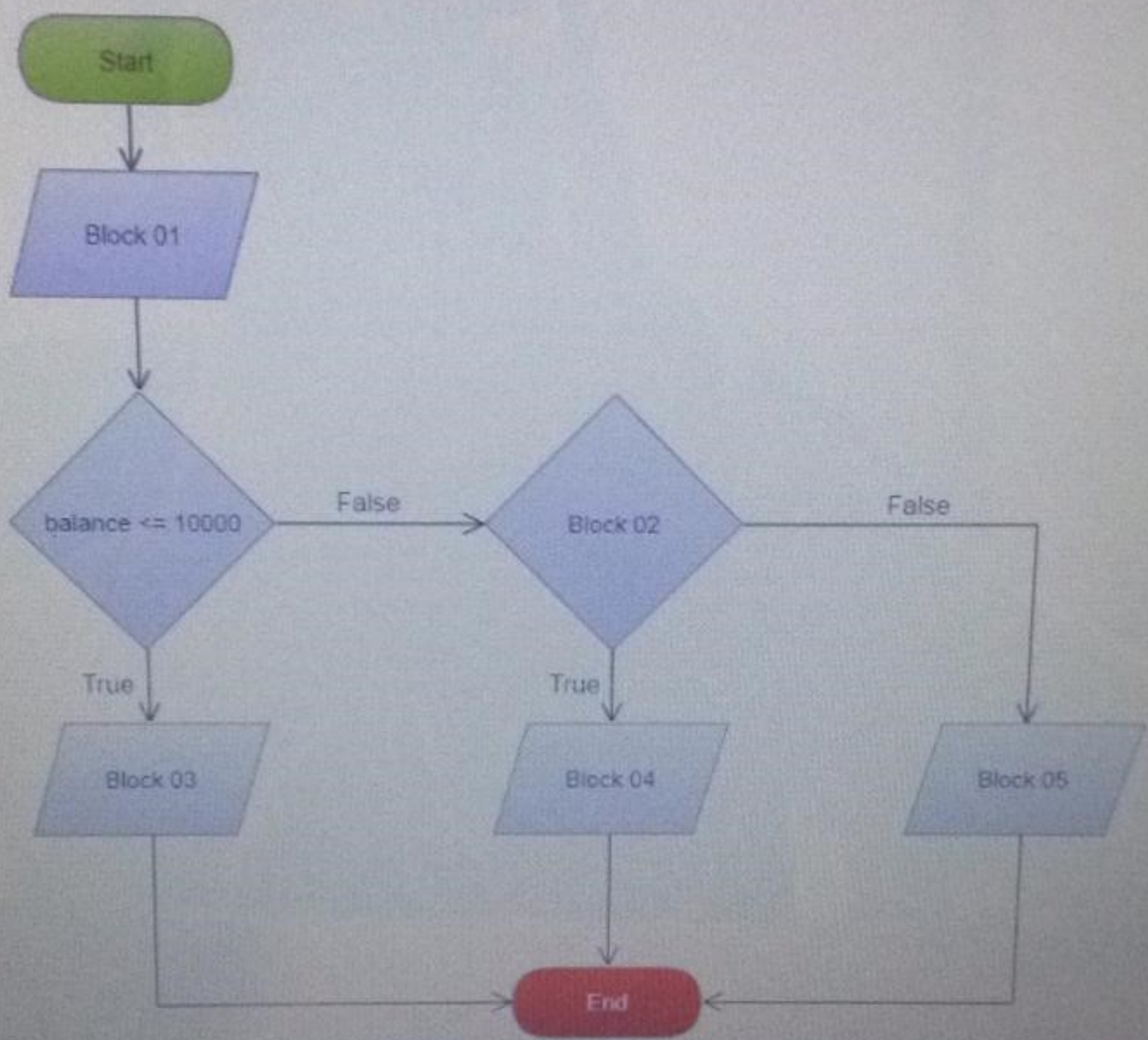
A bank is giving complements for their customers who open a new account on the new year day.

The following flowchart is drawn to decide the prize given for a customer.

Write the relevant instructions (Block 1 -5) in the given space.

Opening Balance	Prize
Less than 10000 or 10000	Umbrella
More than10000 but less than 50000	Traveling bag
50000 or more	Rice cooker

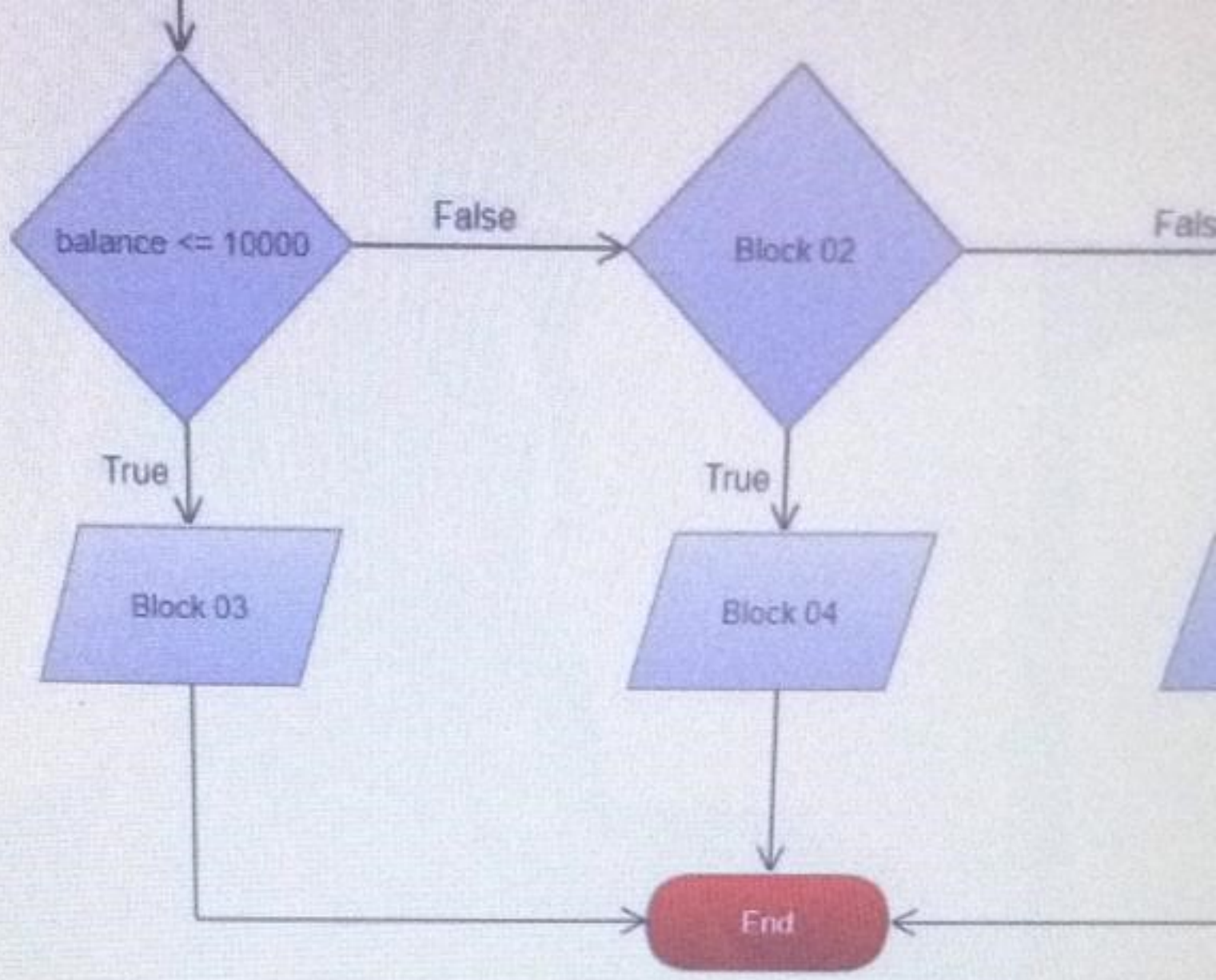




Block 01 =

Block 02 =

Block 03 =



Block 01 -

Block 02-

Block 03-

Block 04-

Block 05-

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Complete the following C program to solve the given expression. Use **Standard C math library function**.

$$Z = \sqrt{(x+y)^2 + (x-y)^2}$$

```
#include <stdio.h>
# include <math.h>
int main()
{
   int x = 3;
   int y = 2;
   float z;
   _____
   _____
   return 0;
}
```

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Question 20

Not yet answered

Marked out of

Flag question

A 2D array called **att** is used to store the attendance of 4 students in a class. A sample dataset is sl

1	0	1	1	1
1	1	1	1	1
1	1	0	1	1
1	1	1	1	1

Complete the following C code to determine and display the students (row number) who has attende

In this example the students numbers are 2, 4

```
# include <stdio.h>
int main(void)
{
    int att[5][5] = {{1, 0, 1, 1, 1},{1, 1,1,1,1},{1,1,0,1,1},{1,1,1,1,1},{1,1,1,1,0}};
    ____________
    ____________
    ____________
}
```

Question **18**

Not yet answered

Marked out of 5.00

Flag question

Write two assert statements to test the following function.

```
int calculatePoints(float purchaseAmount)
{
        if(purchaseAmount >= 5000)
                return 500;
        else if(purchaseAmount >= 3000)
                return 200;
        else if(purchaseAmount >= 1000)
                return 100;
        else
                return 25;
}
```

Question **19**

Not yet answered

Marked out of 5.00

Flag question

As student has written the following program to input the radius of a circle from the keyboard and calculate the display the area of the circle. However the program does not generate the required output. Identify four bugs in the following program and re-write the program with out errors.

```
#include <stdio.h>
int main()
{
   float r, area;

   printf("Enter radius of a circle : ");
   scanf("%f\n", r);

   area = 22 / 7.0 * r * r;

   printf("Area = %.2d", &area);

   return 0;
}
```

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Question **17**

Not yet answered

Marked out of 5.00

Flag question

A restaurant provides facility for their customers to check the price of the food items using an online menu. The menu details (item code , description and price) are stored in a text file called "menu.dat". Complete the following C code to display the menu on the screen.

A sample of menu.dat file is given below (ignore the headings)

item code	description	price
S1	Prawns	675.00
S2	Fish	850.00
S3	Chicken	575.00

```
# include <stdio.h>
int main(void)
{
    ...................................
    ...................................
    ...................................
    ...................................
    return 0;
}
```

Quiz navigation

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.00

Flag question

A special request originated from some device to the CPU to acquire some of its time is called

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What does a Protocol define?

Select one:

- Protocol defines what data is communicated.
- Protocol defines how data is communicated.
- Protocol defines when data is communicated.
- Protocol defines why data is communicated.
- None of the mentioned is true.

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Question **1**

t yet answered

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estion

In a ..... topology there are cables connecting each device to all the other devices in a networ

Select one:

- Mesh
- Star
- Bus
- Ring
- Tree

Question **2**

Not yet answered

Marked out of 1.25

Flag question

Convert 1520 bits into bytes

Select one:

- a. 190 bytes
- b. 180 bytes
- c. 182 bytes
- d. 175 bytes
- e. 152 bytes

Question 1

Not yet answered

Marked out of 1.00

Flag question

In a regular network, which of the following can be a Software?

Select one:

- Router
- Firewall
- Modem
- Hub
- Switch

Question 1

Not yet answered

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Flag question

In a regular network, which of the following can be a Software?

Select one:

- Router
- Firewall
- Modem
- Hub
- Switch

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Which of the following statement is true?

Select one:

- a. IP Address is a physical Address
- b. MAC Address is logical address
- c. IP Address is a logical Address and MAC Address is a physical Address
- d. IP Address is a physical Address and MAC Address is a logical Address
- e. Both IP and MAC addresses are virtual addresses

Next page

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Question 1

Not yet answered

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Flag question

Mutability of storage devices explains

Select one:

- a. How storage locations are addressed.
- b. What happens to the content when power is not available
- c. How storage locations are addresses
- d. Time latency due to seek time and rotational delay
- e. Weather the content is read/write or read only

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21 22 23 24 25

28 29 30

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FEEDBACK QUESTION

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Question 3

Not yet answered

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Flag question

Which of the following is NOT a correct statement regarding Firewalls?

Select one:

- a. A Firewall resides between two or more networks
- b. A firewall controls traffic and helps prevent unauthorized access
- c. Packet Filtering is a method used in Firewalls
- d. URL Filtering is a method used in Firewalls
- e. Firewall can provide 100% security to a network

Question **2**

Not yet answered

Marked out of 1.25

Flag question

Which of these is not an activity the OS does to manage storage

Select one:

- a. Create and delete files
- b. Allocating storage
- c. Free-space management
- d. Hardware maintenance
- e. Backup

Next page

Question 1

Not yet answered

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Flag question

Select the correct statement.

Select one:

- A private network is not directly connected to Internet.
- If a network is directly connected to Internet, it will become a part of Internet.
- In a private network, it is mandatory to follow Internet standards.
- A private network is a set of interconnected Intranets.
- None of the given answers are true.

Next page

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g question

An attacker trying to manipulate individuals into performing actions or divulging confidential information is known as Social Engineering.

Select one:

- True
- False

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≡ Quiz navigation

MCQ

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10 11 12 13 14 15
19 20

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21 22 23 24 25 26
30

Question 2

Not yet answered

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Flag question

Which of the following statements is correct?

Select one:

- a. A failure in Network layer affects transport layer
- b. A failure in Network layer affects Data Link layer
- c. A failure in Network layer affects entire communication
- d. A failure in Network layer stops the device from working entirely
- e. A failure in Network layer crashes the application

Question 2

Not yet answered

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Flag question

Which of the following statements is correct?

Select one:

- a. A failure in Network layer affects transport layer
- b. A failure in Network layer affects Data Link layer
- c. A failure in Network layer affects entire communication
- d. A failure in Network layer stops the device from working entirely
- e. A failure in Network layer crashes the application

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ag question

Select the correct order of ISO-OSI layered reference model.

Layer 7 Choose...

Layer 6 Choose...

Layer 5 Choose...

Layer 4 Choose...

Layer 3 Choose...

Layer 2 Choose...

Layer 1 Choose...

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Select the incorrect statement regarding data

Select one:

- a. ASCII is an 7-bit code for 128 different characters.
- b. Data representation refers to the form in which data is stored, processed, and transmitted
- c. Digitization is the process of converting analog data into digital data.
- d. Numeric, alphabetic, special, alpha-numeric are different types of character data.
- e. One-bit parity is an error correction technique used in data storing and transmission.

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Flag question

An unauthorized user is a network _____ issue.

Select one:

- security
- reliability
- scalability
- quality of service
- availability

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Flag question

An unauthorized user is a network _____ issue.

Select one:

- security
- reliability
- scalability
- quality of service
- availability

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Which of the following statements is correct?

Select one:

- a. A failure in Network layer affects transport layer
- b. A failure in Network layer affects Data Link layer
- c. A failure in Network layer affects entire communication
- d. A failure in Network layer stops the device from working entirely
- e. A failure in Network layer crashes the application

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Steps of an instruction cycle is given below

A. Instruction fetch

B. Data operation

C. Instruction operation decoding

D. Data store

E. Operand fetch

Find the correct order of execution.

Select one:

a. A, C, B, D, E

b. B, A, C, D, E

c. B, A, E, C, D

d. D, C, A, B, E

e. A, C, E, B, D

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Select the correct elements/components that make up a network.

Select one:

- Service, Medium, Packet, Protocols.
- Device, Wire, Message, Rules.
- Service, Medium, Packet, Rules.
- Device, Medium, Message, Rules.
- Device, Medium, Message, Protocols.

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Question **4**

Not yet answered

Marked out of 1.00

Flag question

Devices on one network can communicate with devices on another network via, (Select two)

Select one or more:

- [ ] Router
- [ ] Multiplexer
- [ ] Hub
- [ ] Printer
- [ ] Gateway

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g question

Select the continuous data of the following

Select one:

- a. Number of members of a family.
- b. Pages of a book.
- c. Number of students in SLIIT.
- d. Average of the three Subjects.
- e. Number of subjects we learn.

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Flag question

Which of the following statement is true?

Select one:

- a. IP Address is a physical Address
- b. MAC Address is logical address
- c. IP Address is a logical Address and MAC Address is a physical Address
- d. IP Address is a physical Address and MAC Address is a logical Address
- e. Both IP and MAC addresses are virtual addresses

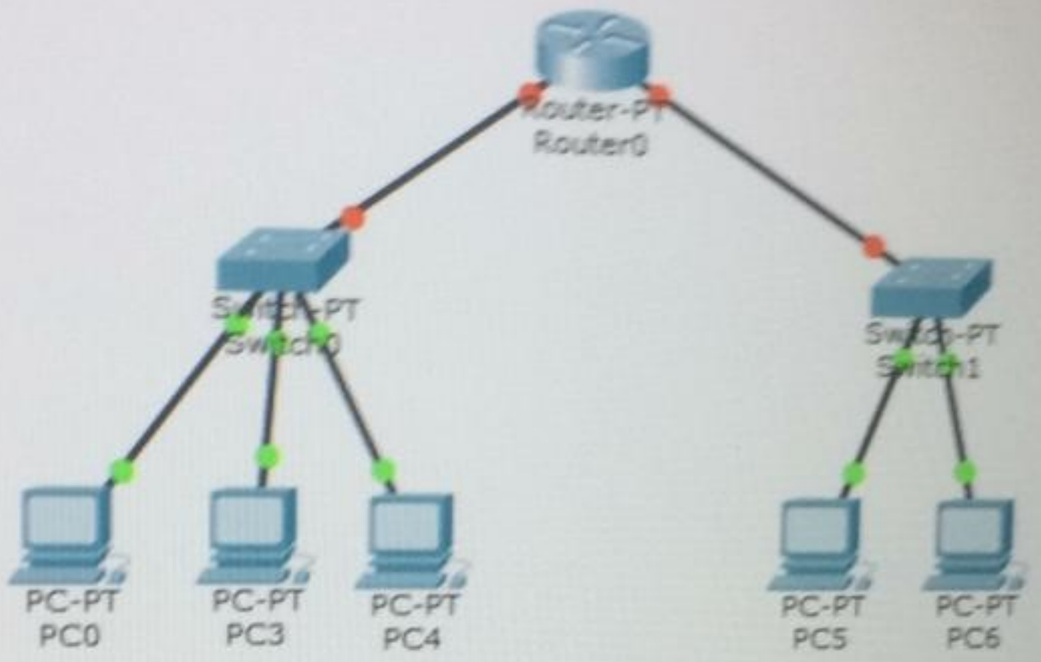
Question 9

Not yet answered

Marked out of 1.00

Flag question

Which of the following statements describe the network shown in the graphic? (Select two)



Select one or more:

- [x] There are total number of two broadcast domains in the network.
- [ ] There are total number of six broadcast domains in the network.
- [ ] There are total number of four broadcast domains in the network.
- [ ] There are total number of five collision domains in the network.
- [ ] There are total number of seven collision domains in the network.
- [ ] There are total number of four collision domains in the network.

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question

Which of the following pairs denote the two main types that the RAM is

Select one:

- a. SRAM and DRAM
- b. SRAM and DDRAM
- c. SDRAM and SRAM
- d. DRAM and VRAM
- e. VVRAM and SRAM

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Steps of designing a digital circuit to solve a real world problem is given below:

A. K-maps are used to simplify the equations

B. The truth table is developed

C. Implemented using logic gates

D. The problem is analyzed

E. Identify input variables and output variables

Find the correct order of execution.

Select one:

- a. A, C, B, D, E
- b. D, C, B, E, A
- c. B, D, E, C, A
- d. D, E, B, A, C
- e. A, C, E, B, D

The instruction currently being executed is stored in

Select one:

- a. Instruction register
- b. Instruction pointer
- c. Program counter
- d. Data register
- e. Accumulator

Question 8

Not yet answered

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Flag question

What method is used to input data in the 1st generation computers from the given below

Select one:

- a. Floppy disks
- b. Flash drivers
- c. USB drivers
- d. Punch cards
- e. Compact disks

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Which of the following program converts instructions to machine language?

Select one:

- a. Compressor
- b. Compiler
- c. Integrator
- d. Simulator
- e. None of the above

Next

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Select the continuous data of the following

Select one:

- a. Number of members of a family.
- b. Pages of a book.
- c. Number of students in SLIIT.
- d. Average of the three Subjects.
- e. Number of subjects we learn.

Question **9**

Not yet answered

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Flag question

Match the correct port category description to port numbers.

Well-known port numbers	Choose...
Registered port numbers	
Dynamic/Private port numbers	

Choose...
0 to 65535
49152 to 65535
0 to 1023
1024 to 49151

Next pag

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An attacker trying to manipulate individuals into performing actions or divulging confidential information is known as Social Engineering.

Select one:

- True
- False

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Question **19**

Not yet answered

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Flag question

Steps of an instruction cycle is given below

A. Instruction fetch

B. Data operation

C. Instruction operation decoding

D. Data store

E. Operand fetch

Find the correct order of execution.

Select one:

- a. A, C, B, D, E
- b. B, A, C, D, E
- c. B, A, E, C, D
- d. D, C, A, B, E
- e. A, C, E, B, D

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Question **8**

Not yet answered

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Which bus is unidirectional

Select one:

- a. Address bus
- b. Control bus
- c. Signal bus
- d. Current bus
- e. Data bus

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Question **13**

Not yet answered

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Flag question

Development of software for computers was started in

Select one:

- a. 1st Generation
- b. 2nd Generation
- c. 3rd Generation
- d. 4th Generation
- e. 5th Generation

What is the correct statement about a Broadcast Domain?

Select one:

- A collection of two or more computers in which, when one sender sends a message, it is received by all the others in the same domain.
- A collection of two or more computers in which, when one sender sends a message, it is received by a group of computers in the same domain.
- A collection of two or more computers in which, when one sender sends a message, it is received by one receiver in the same domain.
- A collection of two or more computers in which, when one sender sends a message, it is received by all the others in a different domains.
- None of the mentioned is true.

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Question **5**

Not yet answered

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Flag question

What would be the output of a comparator if two bits are equal

Select one:

- a. 2
- b. 1
- c. 0
- d. 4
- e. 3

Select the incorrect statement

Select one:

- a. SPARC and Power PC are desktop computers that use RISC processors
- b. In RISC processors, more emphasis is given to software
- c. RISC normally has low cycles per second, large code sizes
- d. In CISC, more transistors are used for storing complex instructions
- e. Compiler workload is low in RISC based machines

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The instruction currently being executed is stored in

Select one:

- a. Instruction register
- b. Instruction pointer
- c. Program counter
- d. Data register
- e. Accumulator

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tion

Which of the following are NOT real time application scenarios? (Select Two)

Select one or more:

- [ ] a. Skype Video Conference
- [ ] b. Zoom live webinar
- [ ] c. Facebook live video
- [ ] d. What's App Call
- [ ] e. Downloading a movie using a file sharing application
- [ ] f. Downloading an email attachment from an Email App

Question **10**

Not yet answered

Marked out of 1.25

Flag question

Not a utility software given below

Select one:

- a. Antivirus software
- b. Troubleshoot
- c. Disk formatting
- d. Control panel
- e. Defragmentation

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Select the incorrect statement

Select one:

- a. SPARC and Power PC are desktop computers that use RISC processors
- b. In RISC processors, more emphasis is given to software
- c. RISC normally has low cycles per second, large code sizes
- d. In CISC, more transistors are used for storing complex instructions
- e. Compiler workload is low in RISC based machines

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Question **7**

Not yet answered

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Flag question

What does a Protocol define?

Select one:

- Protocol defines what data is communicated.
- Protocol defines how data is communicated.
- Protocol defines when data is communicated.
- Protocol defines why data is communicated.
- None of the mentioned is true.

Question **11**

Not yet answered

Marked out of 1.00

Flag question

Which of the following statements is correct?

Select one:

- a. A failure in Network layer affects transport layer
- b. A failure in Network layer affects Data Link layer
- c. A failure in Network layer affects entire communication
- d. A failure in Network layer stops the device from working entirely
- e. A failure in Network layer crashes the application

Question **10**

Not yet answered

Marked out of 1.00

Flag question

Select the correct statement.

Select one:

- A private network is not directly connected to Internet.
- If a network is directly connected to Internet, it will become a part of Internet.
- In a private network, it is mandatory to follow Internet standards.
- A private network is a set of interconnected Intranets.
- None of the given answers are true.

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26	27	28	29	30

ESSAY

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Given below are the features of first-generation computer systems. Which of the following isn't true

Select one:

- a. 1st generation is computers used machine language.
- b. 1st generation computers had a well-developed OS system.
- c. 1st generation computers were expensive to operate.
- d. 1st generation computers used punch card system.
- e. 1st generation computers used hard wired programming.

Next page

Which of these is a characteristic of RISC

Select one:

- a. Complex Instructions
- b. Small Code Sizes
- c. Large Code Sizes
- d. High Cycles per Second
- e. Memory-to-memory

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d out of
g question

In a ..... topology there are cables connecting each device to all the other devices in a network.

Select one:

- Mesh
- Star
- Bus
- Ring
- Tree

Next page

Question **8**

Not yet answered

Marked out of 1.25

Flag question

If K = Gates + F/F ; What is K

Select one:

- a. Sequential Circuit
- b. Flip – Flops
- c. Minterms
- d. Combinational Circuit
- e. None of the above

Question 16
Not yet answered
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Flag question

Which of the following statements is correct?

Select one:

- a. A failure in Network layer affects transport layer
- b. A failure in Network layer affects Data Link layer
- c. A failure in Network layer affects entire communication
- d. A failure in Network layer stops the device from working entirely
- e. A failure in Network layer crashes the application

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If there are 5 inputs to a decoder the number of outputs will be,

Select one:

- a. Infinite
- b. 32
- c. 16
- d. 8
- e. 4

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17
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question

What is a main difference between a Switch and a Bridge?

Select one:

- There is no difference.
- A bridge is used to connect LANs whereas a switch is used to create a LAN
- Bridge is used to segment a LAN while Switch is used to interconnect different LANs.
- Bridge is a dumb device while switch is an intelligent device.
- Switch is large and a bridge is small.

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18

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question

Which of the following is not an area of memory pointed by 8086 register

Select one:

- a. Code segment
- b. Data segment
- c. Instruct segment
- d. Stack segment
- e. Extra segment

Next page

What does a Protocol define?

Select one:

- Protocol defines what data is communicated.
- Protocol defines how data is communicated.
- Protocol defines when data is communicated.
- Protocol defines why data is communicated.
- None of the mentioned is true.

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20
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out of
question

Which of the following statements is correct?

Select one:

- a. A failure in Network layer affects transport layer
- b. A failure in Network layer affects Data Link layer
- c. A failure in Network layer affects entire communication
- d. A failure in Network layer stops the device from working entirely
- e. A failure in Network layer crashes the application

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Question 23

Not yet answered

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Flag question

The process of periodically read data from an area of computer memory and immediately writing the read information to the same area is called

Next page

MCQ

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

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21
nswered
out of
question

Complete the missing parts of the binary form of following IPv4 address:

IPv4 Address: 172.128.10.138

- IPv4 Address in Binary: [ ] . 10000000 . 00001010 . [ ]
- IP Address Class: [ ]

Next page

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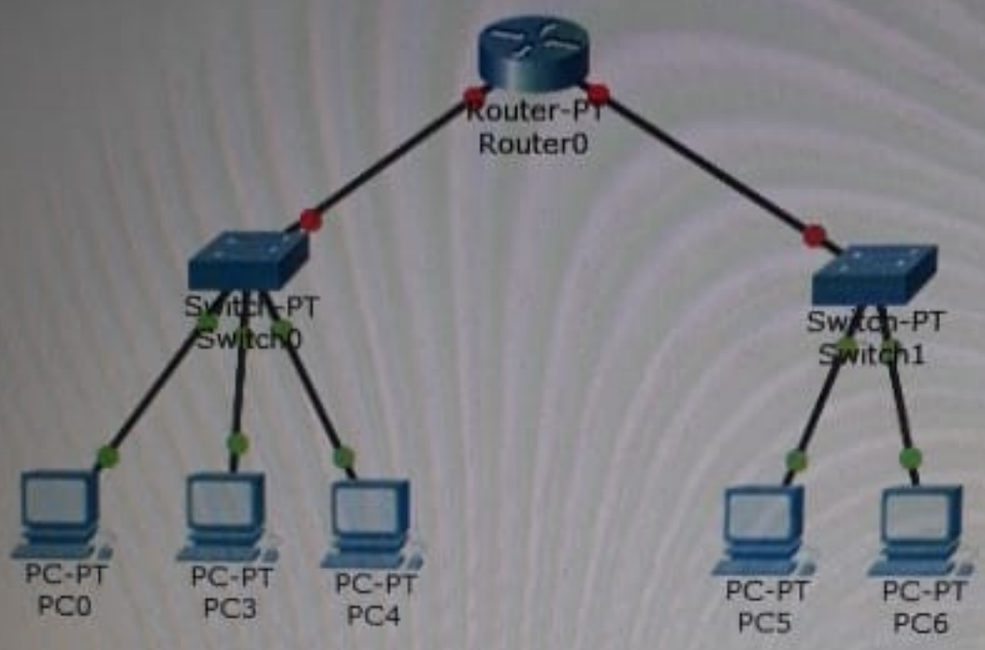
FEE

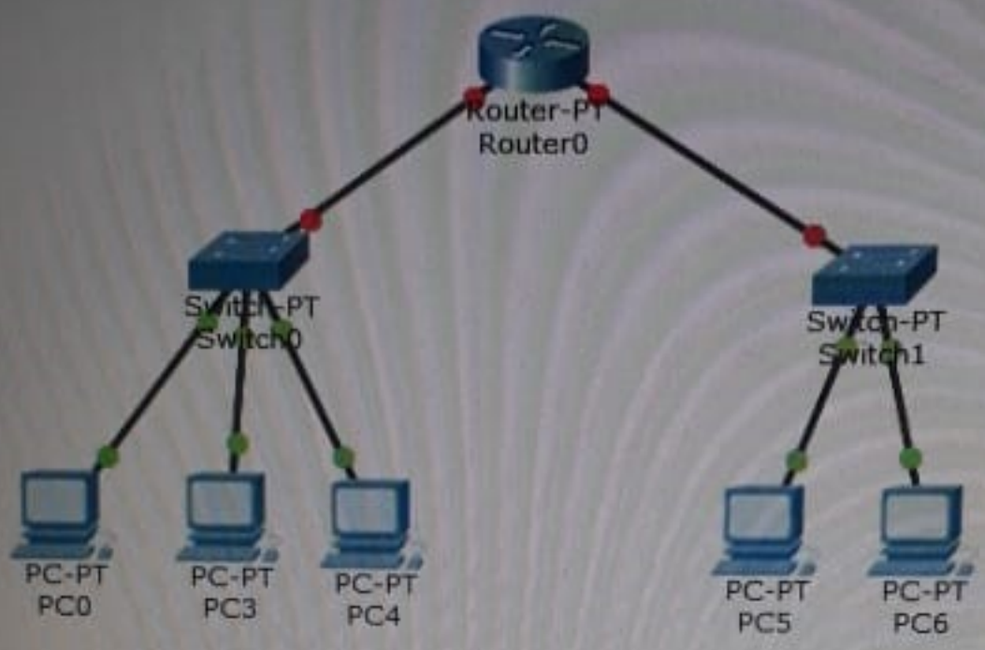
Which of the following statements describe the network shown in the graphic? (Select tw



Select one or more:

- There are total number of two broadcast domains in the network.
- There are total number of six broadcast domains in the network.
- There are total number of four broadcast domains in the network.
- There are total number of five collision domains in the network.
- There are total number of seven collision domains in the network.
- There are total number of four collision domains in the network.

Which of the following statements describe the network shown in the graphic? (Select tw



Select one or more:

- There are total number of two broadcast domains in the network.
- There are total number of six broadcast domains in the network.
- There are total number of four broadcast domains in the network.
- There are total number of five collision domains in the network.
- There are total number of seven collision domains in the network.
- There are total number of four collision domains in the network.

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Programmable logic arrays (PLA) are very general chips that provide a quick and easy way to implement

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_____ are heavily used in real-time embedded systems.

Next page

STR

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26

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Which of the following is NOT a correct statement regarding Firewalls?

Select one:

- a. A Firewall resides between two or more networks
- b. A firewall controls traffic and helps prevent unauthorized access
- c. Packet Filtering is a method used in Firewalls
- d. URL Filtering is a method used in Firewalls
- e. Firewall can provide 100% security to a network

23

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A software generated interrupt is called _____ .

_____ emit pulse trains of precise repetition interval and width.

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The process of periodically read data from an area of computer memory and immediately writing the read information to the same area is called . .

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Question 25

Not yet answered

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Flag question

_____ are heavily used in real-time embedded systems.

Next page

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How many unique networks can be created in Class B?

Answer:

Next page

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Question **22**

Not yet answered

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Flag question

The process of periodically read data from an area of computer memory and immediately writing the read information to the same area is called _____.

Next page

Online Exams

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What are the correct statements about "MAC address table"? (select two)

Select one or more:

- MAC address table is used by switches
- MAC address table is used by routers
- MAC address table is a collection of MAC addresses with the respective cor
- MAC address table is created for each computer
- None of the given answers are true

_____ emit pulse trains of precise repetition interval and width.

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Online Exams

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Question **27**

Not yet answered

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Flag question

[ ] are heavily used in real-time embedded systems.

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Quiz navigation

MCQ

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28	29	30			

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Programmable logic arrays (PLA) are very general chips that provide a quick and easy way to implement _____.

Next page

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Interrupt transfers control of a program to a _____ routine.

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_____ are heavily used in real-time embedded systems.

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Select the incorrect statement regarding the Dynamic RAM

Select one:

- a. Bits stored as charges in capacitors
- b. No refreshing needed when powered
- c. Simpler construction, smaller per bit
- d. Slower than static memory
- e. Less expensive

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Select the incorrect statement regarding the Dynamic RAM

Select one:

- a. Bits stored as charges in capacitors
- b. No refreshing needed when powered
- c. Simpler construction, smaller per bit
- d. Slower than static memory
- e. Less expensive

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question

Nimal and his team analyzed a real-world problem to design a combinational circuit. They derived following truth table to record input (A, B, C, D) and output (f) behavior. They entered "X" in the output column where they *don't care* whether output is "0" or "1".

A	B	C	D	f
0	0	0	0	0
0	0	0	1	0
0	0	1	0	1
0	0	1	1	1
0	1	0	0	0
0	1	0	1	X
0	1	1	0	1
0	1	1	1	X

A	B	C	D	f
1	0	0	0	0
1	0	0	1	0
1	0	1	0	0
1	0	1	1	X
1	1	0	0	0
1	1	0	1	0
1	1	1	0	0
1	1	1	1	1

He needs your support to simplify output behavior function using a Karnaugh map (K-Map). Please write down the simplified Boolean function by using English letters A, B, C, D as variables. (write $\bar{A}B\bar{C}$ as A'BC', don't keep spaces between letters).

Answer:

Next page

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Interrupt transfers control of a program to a routine.

23

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The process of periodically read data from an area of computer memory and immediately writing the r
information to the same area is called memory management .

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Interrupt transfers control of a program to a routine.

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Which of the following statement is true?

Select one:

- a. IP Address is a physical Address
- b. MAC Address is logical address
- c. IP Address is a logical Address and MAC Address is a physical Address
- d. IP Address is a physical Address and MAC Address is a logical Address
- e. Both IP and MAC addresses are virtual addresses

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Interface between application software and operating system is called

Moodle

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Question **30**

Not yet answered

Marked out of 1.00

Flag question

_____ emit pulse trains of precise repetition interval and width.

Next p

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Question 26

Not yet answered

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Flag question

_____ is the only uni-directional bus in system bus.

Next page

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Interrupt transfers control of a program to a routine.

Next page

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Question **28**

Not yet answered

Marked out of 1.00

Flag question

Interface between application software and operating system is called _____ .

Next page

Question **21**

Not yet answered

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Flag question

For the given IP address find the following.

IP address: - 172.18.10.1

- Network address: . . .
- Subnet mask: 255 . 255 . 0 . 0
- Broadcast address: 172 . 18 .
- Last usable IP address: 172 . 18 . .

Next page

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Interrupt transfers control of a program to a routine.

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Programmable logic arrays (PLA) are very general chips that provide a quick and easy way to implement

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Next page

Question **28**

Not yet answered

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_____ are heavily used in real-time embedded systems.

Interface between application software and operating system is called system software.

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Interrupt transfers control of a program to a _____ routine.

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Question **3**

Not yet answered

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Flag question

What is **not** a technology used in Local Area Networks (LAN)

Select one:

- Ethernet
- Fast Ethernet
- Token ring
- Virtual Private Network
- 10 Gigabit Ethernet

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Question **4**

Not yet answered

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Flag question

What is the BCD value of 481

Select one:

- a. 0001 1110 0001
- b. 0001 1110 0101
- c. 1111 0000 1
- d. 0001 1100 0001
- e. 1101 0000 1

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g question

What is not an operating system activity under the storage management

Select one:

- a. Free-space management
- b. Storage allocation
- c. Disk scheduling
- d. Backup and reset
- e. None of above

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Select the incorrect statement regarding data

Select one:

- a. ASCII is an 7-bit code for 128 different characters.
- b. Data representation refers to the form in which data is stored, processed, and transmitted
- c. Digitization is the process of converting analog data into digital data.
- d. Numeric, alphabetic, special, alpha-numeric are different types of character data.
- e. One-bit parity is an error correction technique used in data storing and transmission.

Select the incorrect statement regarding the Dynamic RAM

Select one:

- a. Bits stored as charges in capacitors
- b. No refreshing needed when powered
- c. Simpler construction, smaller per bit
- d. Slower than static memory
- e. Less expensive

HD Webcam
HD Video Conferencing

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Which of the following factors is not considered when selecting intermediate devices?

Select one:

- a. Cost
- b. Number of Ports
- c. Device Speed
- d. Manageability of the Device
- e. Weight (portability) of the device

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Which of the following factors is not considered when selecting intermediate devices?

Select one:

- a. Cost
- b. Number of Ports
- c. Device Speed
- d. Manageability of the Device
- e. Weight (portability) of the device

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Flag question

Match the description with the appropriate ISO-OSI Layer

Allows users to access network resources	Choose...
Translate, Encrypt & Compress Data	
Provide reliable process to process message delivery	
Organizes bits into frames which helps hop-to-hop delivery	

Choose...
Choose...
Application Layer
Network Layer
Presentation Layer
Data Link Layer
Transport Layer

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Question **11**

Not yet answered

Marked out of 1.25

Flag question

Select the incorrect statement

Select one:

- a. SPARC and Power PC are desktop computers that use RISC processors
- b. In RISC processors, more emphasis is given to software
- c. RISC normally has low cycles per second, large code sizes
- d. In CISC, more transistors are used for storing complex instructions
- e. Compiler workload is low in RISC based machines

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Question **12**

Not yet answered

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How many minterms in a 4 variable K- map

Select one:

- a. 12
- b. 16
- c. 8
- d. 4
- e. 64

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on 15

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d out of

g question

Calculate the number of total number of storage locations available for 8 bits of information

Select one:

- a. 32
- b. 255
- c. 127
- d. 256
- e. 16

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ion 16
et answered
ed out of
lag question

Which of the following is including only general purpose registers in 8086 architecture

Select one:

- a. AX, BX, CX, DX
- b. SP, BP, SI, DI
- c. RAM, ROM
- d. FLAGS, Flag register
- e. MAR, MDR

Next p

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Online Exams

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et answered
ed out of
lag question

Which of the following is including only general purpose registers in 8086 architecture

Select one:

- a. AX, BX, CX, DX
- b. SP, BP, SI, DI
- c. RAM, ROM
- d. FLAGS, Flag register
- e. MAR, MDR

Next p

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uestion **18**

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Flag question

Mutability of storage devices explains

Select one:

- a. How storage locations are addressed
- b. What happens to the content when power is not available
- c. How storage locations are addresses
- d. Time latency due to seek time and rotational delay
- e. Weather the content is read/write or read only

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What is the correct statement about a Collision Domain?

Select one:

- A collection of two or more computers in which, if more than one sender tries to send data simultaneously, the signals will collide in the transmission media and make all the sent information unusable.
- In a router, all ports are in a single collision domain
- A collection of two or more computers in which, if one sender tries to send data, the signal will collide in the transmission media and make the sent information unusable.
- A collection of two or more computers in which, one computer tries to send data after another computer, the signals will collide in the transmission media and make all the sent information unusable.
- None of the mentioned is true

Next page

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32

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For the given IP address find the following.

IP address: - 192.168.12.8

- Network address: ____ . ____ . ____ . ____
- Subnet mask: ____ . ____ . ____ . ____
- Broadcast address: 192 . 168 . 12 . ____
- 1st usable IP address: 192 . 168 . 12 . ____
- Last usable IP address: 192 . 168 . 12 . ____
- Number Hosts that can be connected to this network: ____

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Flag question

Change the following IP address from binary notation to dotted decimal and find the IPv4 Address Class.

Binary Form = 10101100 00010001 11001001 00001010

- IPv4 Address in Decimal: ____ . ____ . ____ . ____
- IP Address Class: ____

Next page

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Question **23**

Not yet answered

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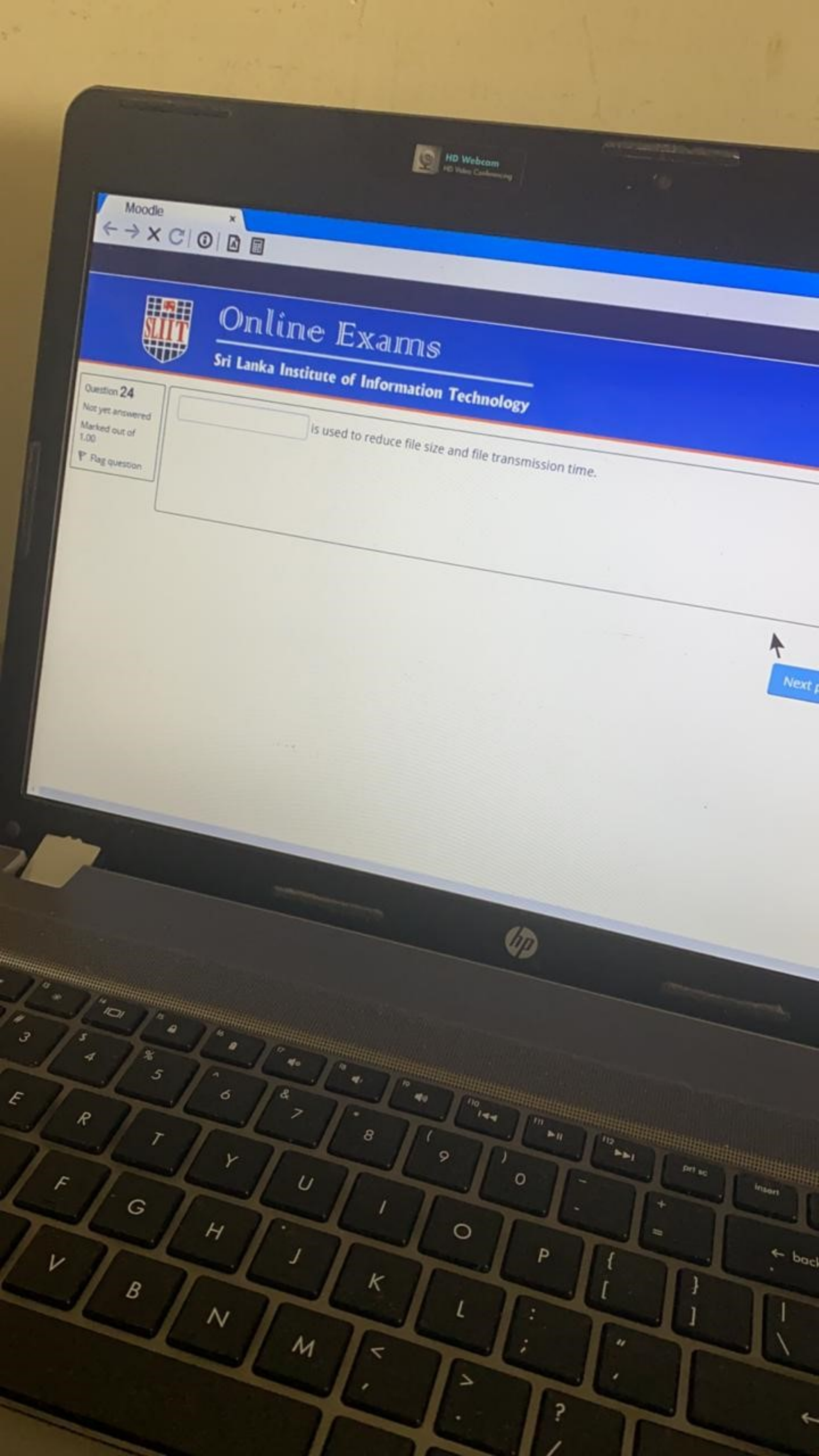
An operating system is _____ driven.

How many registers are found in the EU of the 8086 architecture

Select one:

- a. 3
- b. 8
- c. 4
- d. 6
- e. 16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Online Exams
Sri Lanka Institute of Information Technology
Question 24
Not yet answered
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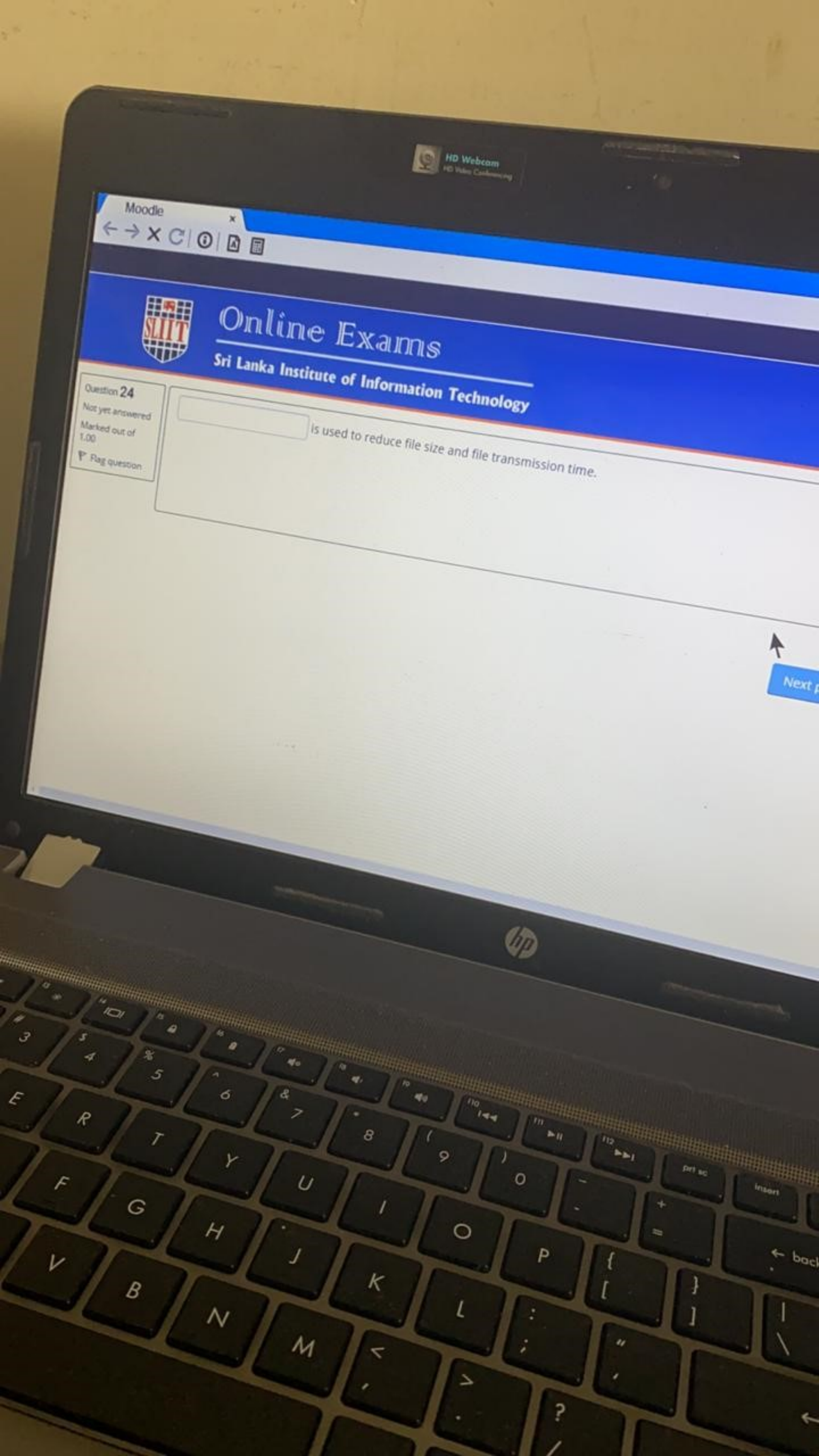
Flag question
is used to reduce file size and file transmission time.
Next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Sri Lanka Institute of Information Technology
Question 24
Not yet answered
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is used to reduce file size and file transmission time.
Next

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A _____ can be used to replace Boolean Algebraic method, when simplifying a Boolean expression.

Next page

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Ivan typed 'ipconfig' command while being connected to his home WiFi and obtained the following result. What is the broadcast address of his home network? (Write in dotted decimal format: E.g. 192.168.8.1)

C:\WINDOWS\system32\cmd.exe

```
C:\Documents and Settings\ivan>ipconfig

Windows IP Configuration


Ethernet adapter Local Area Connection:

        Connection-specific DNS Suffix  . :
        IP Address. . . . . . . . . . . . : 192.168.1.101
        Subnet Mask . . . . . . . . . . . : 255.255.255.0
        Default Gateway . . . . . . . . . : 192.168.1.1

Ethernet adapter Bluetooth Network Connection:

        Media State . . . . . . . . . . . : Media disconnected

C:\Documents and Settings\ivan>
```

Answer:

Next page

Online Exams

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Steps of designing a digital circuit to solve a real world problem is given below.

A. K-maps are used to simplify the equations

B. The truth table is developed

C. Implemented using logic gates

D. The problem is analyzed

E. Identify input variables and output variables

Find the correct order of execution.

Select one:

- a. A, C, B, D, E
- b. D, C, B, E, A
- c. B, D, E, C, A
- d. D, E, B, A, C
- e. A, C, E, B, D

Sunil analyzed a real-world problem to design a combinational circuit. He derived following equations by carefully going through the line numbers of truth table.

$$f = \sum(2, 3, 6, 15)$$

$$don't_care = \sum(5, 7, 11)$$

He needs your support to simplify these equations using a Karnaugh map (K-Map). Please write down the simplified Boolean equation by using English letters A, B, C, D as variables. (write $\bar{A}B\bar{C}$ as A'BC', don't keep spaces between letters)

Answer:

Next page

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Online Exams

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19
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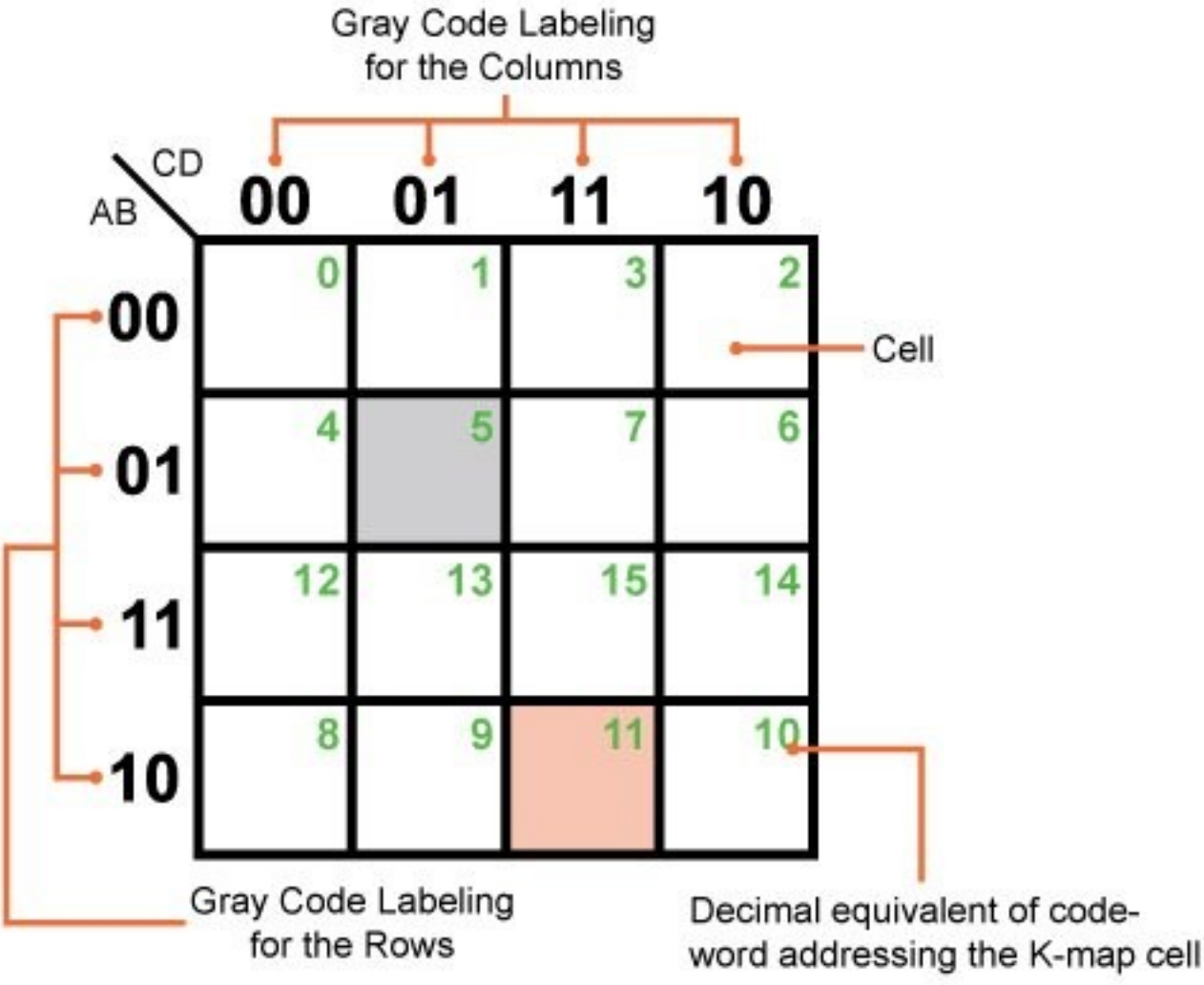
question

ADSL is the abbreviation of,

Select one:

- Asymmetric Dual Subscriber Line
- Asymmetric Digital System Line
- Asymmetric Digital Subscriber Line
- Asymmetric Dual System Line
- None of the mentioned is true.


Gray Code Labeling
for the Columns
CD
AB
00
01
11
10
0
1
3
2
4
5
7
6
12
13
15
14
8
9
11
10
Cell
Gray Code Labeling
for the Rows
Decimal equivalent of code-
word addressing the K-map cell

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In the instruction ADD AX, 20H, the answer gets stored in

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In the instruction ADD AX, 20H, the answer gets stored in

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Complete the missing parts of the binary form of following IPv4 address:

IPv4 Address: 198.168.10.1

- IPv4 Address in Binary: _____ . _____ . 00001010 . 00000001
- How Many Hosts Can be Connected this Network: _____

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Flag question

A _____ can be used to replace Boolean Algebraic method, when simplifying a Boolean expression.

Next page

_____ shows required input combination for a given change of state.

Next page

Quiz navigation

MCQ

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STRUCTURED

21 22 23 24 25

29 30

ESSAY

31

FEEDBACK QUESTION

32

Finish attempt

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Flag question

Select the correct statements about Dial up connection. (Select two)

Select one or more:

- Provides low speed.
- Doesn't provide a continuous connection. Need to dial up to connect.
- Has a fixed monthly rental.
- Digital service.
- Each service is billed separately.

Next page

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Select the most suitable statement.

Select one:

- Converged networks carry data, voice, video & images over the same network.
- Converged networks carry social networking data.
- Converged networks are LANs.
- Converged networks are private networks.
- None of the given statements are true.

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estion

Select the correct statement about hubs.

Select one:

- Hub always broadcast messages.
- Hub functions are similar to switch.
- Hub always unicast messages.
- Hub maintains a MAC table for data forwarding
- None of the given statements are true.

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estion

How to reduce file size and transmission times of digital data

Select one:

- a. Zipping
- b. Extracting
- c. Unzipping
- d. Compress
- e. Hiding

Select the correct statements about network characteristics. (Select two)

Select one or more:

- [ ] The data rate is measured by bits per second of a given link in the network.
- [ ] Scalability indicates how many nodes are currently on the network.
- [ ] The logical topology is the arrangement of cables, network devices, and end systems.
- [ ] Availability is a measure of the probability that the network will be available for use when it is required.
- [ ] Reliability indicates the non-dependability of the components that make up the network.

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select the answer which explains how SI and DI are used respectively

Select one:

- a. Used for multiplying and dividing, used as an address register
- b. Used with extended addressing commands, used in some addressing modes
- c. Used as an addressing register, used for multiplying and dividing
- d. Used in some addressing modes, used with extended addressing commands
- e. Used for arithmetic operation, used with extended addressing commands

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ion

What is the process of converting information, such as text, numbers, photo or music into digital data that can be manipulated by electronic vise

Select one:

- a. Digitalization
- b. Transmission
- c. Electronic circuits
- d. Digital revolution
- e. Data compression

Question 9

Not yet answered

Marked out of 1.00

Flag question

Select the most suitable statement.

Select one:

- Converged networks carry data, voice, video & images over the same network.
- Converged networks carry social networking data.
- Converged networks are LANs.
- Converged networks are private networks.
- None of the given statements are true.

Next page

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What is the size of data bus and address bus in 8086 microprocessor respectively

Select one:

- a. 8 bit/ 16 bit
- b. 32 bit/ 32 bit
- c. 16 bit/ 8 bit
- d. 16 bit/ 32 bit
- e. 8 bit/ 64 bit

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Mutability of storage devices explains

Select one:

- a. How storage locations are addressed
- b. What happens to the content when power is not available
- c. How storage locations are addresses
- d. Time latency due to seek time and rotational delay
- e. Weather the content is read/write or read only

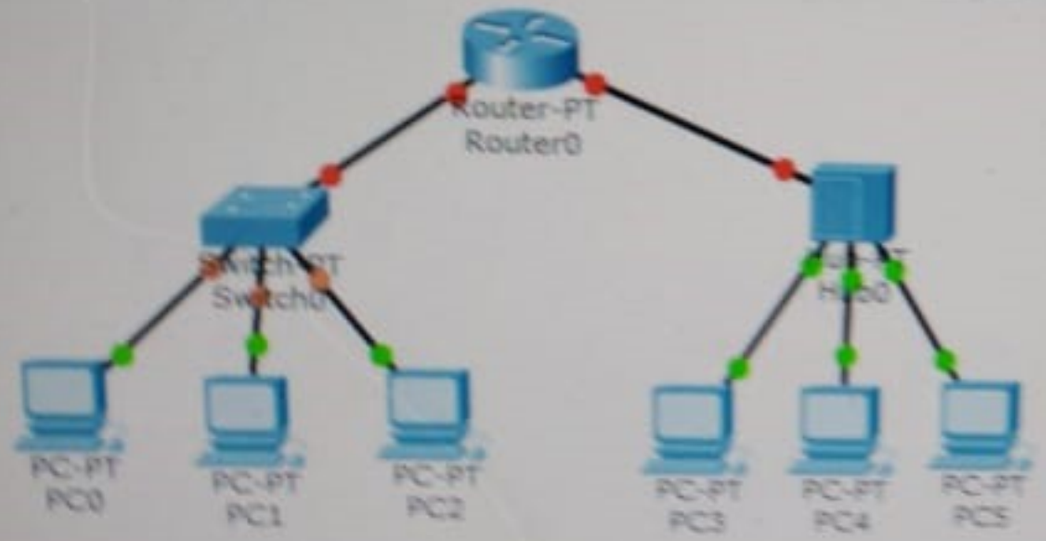
A logic gate can have

Select one:

- a. A single input and a single output
- b. Many inputs and many outputs
- c. Many inputs and a single output
- d. Single input and many outputs
- e. None of the above

ed out of

Flag question



Select one or more:

- There are total number of two broadcast domains in the network.
- There are total number of six broadcast domains in the network.
- There are total number of four broadcast domains in the network.
- There are total number of five collision domains in the network.
- There are total number of seven collision domains in the network.
- There are total number of four collision domains in the network.

Question **17**

Not yet answered

Marked out of 1.00

Flag question

Select the correct statement about hubs.

Select one:

- Hub always broadcast messages.
- Hub functions are similar to switch.
- Hub always unicast messages.
- Hub maintains a MAC table for data forwarding
- None of the given statements are true.

What service of an operating system is related with allocating and deallocating memory space as needed

Select one:

- a. Protection and security
- b. Storage management
- c. Process management
- d. File management
- e. Memory management

John typed 'ipconfig' command while being connected to his home WiFi and obtained the following result. How many IPv4 computers(devices) can be connected to John's home network?

```
Wireless LAN adapter Wi-Fi:

   Connection-specific DNS Suffix  . :
   IPv6 Address. . . . . . . . . . . : 2402:4000:2080:76c8:74a5:2827:c1c0:4
   IPv6 Address. . . . . . . . . . . : 2402:4000:2182:5b3f:5095:effe:e4bc:5f63
   IPv6 Address. . . . . . . . . . . : 2402:4000:2182:5b3f:74a5:2827:c1c0:4
   Temporary IPv6 Address. . . . . . : 2402:4000:2182:5b3f:a4e4:9e4c:8590:cb0
   Link-local IPv6 Address . . . . . : fe80::5095:effe:e4bc:5f63%4
   IPv4 Address. . . . . . . . . . . : 192.168.8.106
   Subnet Mask . . . . . . . . . . . : 255.255.255.0
   Default Gateway . . . . . . . . . : fe80::76a5:28ff:fe27:c1c0%4
                                       192.168.8.1
```

Answer:

Question 31
Not yet answered
Marked out of 7.50
Flag question

Nimal and his team analyzed a real-world problem to design a combinational circuit. They derived following truth table to record input (A, B, C, D) and output (f) behavior. They entered "X" in the output column where they *don't care* whether output is "0" or "1".

A	B	C	D	f
0	0	0	0	1
0	0	0	1	X
0	0	1	0	1
0	0	1	1	1
0	1	0	0	0
0	1	0	1	0
0	1	1	0	0
0	1	1	1	0

A	B	C	D	f
1	0	0	0	X
1	0	0	1	1
1	0	1	0	0
1	0	1	1	X
1	1	0	0	0
1	1	0	1	0
1	1	1	0	0
1	1	1	1	0

He needs your support to simplify output behavior function using a Karnaugh map (K-Map). Please write down the simplified Boolean function by using English letters A, B, C, D as variables. (write $\bar{A}B\bar{C}$ as A'BC', don't keep spaces between letters).

Answer:

Next page

Quiz navigation

MCQ
1 2 3 4 5 6 7
9 10 11 12 13 14 15
17 18 19 20

STRUCTURED
21 22 23 24 25 26 27
29 30

ESSAY
31

FEEDBACK QUESTION
32

Finish attempt ...

Time left 1:10:30

What is the example of first generation computer

Select one:

- a. UNIVAC
- b. STAR 1000
- c. IBM 4341
- d. DEC 10
- e. PDP 1

Select the incorrect statement

Select one:

- a. SPARC and Power PC are desktop computers that use RISC processors
- b. In RISC processors, more emphasis is given to software
- c. RISC normally has low cycles per second, large code sizes
- d. In CISC, more transistors are used for storing complex instructions
- e. Compiler workload is low in RISC based machines

Copper cables are one of the most popular wired transmission medium because,

Select one:

- It uses differential signaling for signal transmission.
- It is less costly in maintenance and installation.
- It is the only guided medium available.
- Copper cables can bend in any direction.
- There are multiple number of cables.

A combinational circuit that converts binary information from the n coded inputs to a maximum of 2n unique outputs is called a _____.

Next page

red

on

What instructions can only executable in kernel mode

Select one:

- a. Program
- b. Instrustions designated as privileged
- c. Firmware
- d. Operating system
- e. None of the above

24

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out of

question

General Purpose registers are built with _____.

Which of the following statement is incorrect regarding the 'Internet' ?

Select one:

- a. Internet is a collection of interconnected networks
- b. Internet is the largest WAN topology
- c. Internet protocols are managed by IETF
- d. Internet is governed by International Standardization Organization (ISO)

What is the correct statement about a Collision Domain?

Select one:

- A collection of two or more computers in which, if more than one sender tries to send data simultaneously, the signals will collide in the transmission media and make all the sent information unusable.
- In a router, all ports are in a single collision domain
- A collection of two or more computers in which, if one sender tries to send data, the signal will collide in the transmission media and make the sent information unusable.
- A collection of two or more computers in which, one computer tries to send data after another computer, the signals will collide in the transmission media and make all the sent information unusable.
- None of the mentioned is true

_____ is an electronic circuit having a combinational circuit with a memory.

John typed 'ipconfig' command while being connected to his home WiFi and obtained the following result. How many IPv4 computers(devices) can be connected to John's home network?

```
IPv4 Address. . . . . . . . . . . : 172.20.2.1(Preferred)
Subnet Mask . . . . . . . . . . . : 255.255.0.0
Default Gateway . . . . . . . . . : 2001:470:ed3d:1000::1
                                    fe80::2e8:4cff:fe68:43d0%3
                                    172.20.0.1
DHCPv6 IAID . . . . . . . . . . . : 60578958
DHCPv6 Client DUID. . . . . . . . : 00-01-00-01-1E-88-A9-CE-9C-5C-8E-8F-2F-B0

DNS Servers . . . . . . . . . . . : 2001:470:ed3d:1000::11
                                    2001:470:ed3d:1000::12
                                    172.20.0.11
                                    172.20.0.12
NetBIOS over Tcpip. . . . . . . . : Enabled
Connection-specific DNS Suffix Search List :
```

Answer:

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Complete the missing parts of the binary form of following IPv4 address:

IPv4 Address: 224.179.11.4

- IPv4 Address in Binary: 11100000 . 10110011 . 00001011 . 00000100
- How Many Hosts Can be Connected this Network:

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Sri Lanka Institute of Information Technology

A combinational circuit that converts binary information from the n coded inputs to a maximum of 2n unique outputs is called a _____.

Next page

7

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Address of the next instruction of the program is stored in _____.

A semiconductor memory cell is fabricated with _____.

Online Exams

Sri Lanka Institute of Information Technology

The difference between memory and storage is that the memory is _____ and storage is permanent.

Next page

_____ is an electronic circuit having a combinational circuit with a memory.

4

transfer data/instruction to and from CPU.

_____ is loaded to main memory at the end of Bootstrapping process.

Online Exams

Sri Lanka Institute of Information Technology

ion 30

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ag question

A semiconductor memory cell is fabricated with _____.

Question **31**

Not yet answered

Marked out of 7.50

Flag question

Nimal and his team analyzed a real-world problem to design a combinational circuit. They derived following truth table to record input (A, B, C, D) and output (f) behavior. They entered "X" in the output column where they *don't care* whether output is "0" or "1".

A	B	C	D	f
0	0	0	0	1
0	0	0	1	0
0	0	1	0	1
0	0	1	1	X
0	1	0	0	0
0	1	0	1	0
0	1	1	0	1
0	1	1	1	0

A	B	C	D	f
1	0	0	0	X
1	0	0	1	0
1	0	1	0	1
1	0	1	1	0
1	1	0	0	0
1	1	0	1	0
1	1	1	0	X
1	1	1	1	0

He needs your support to simplify output behavior function using a Karnaugh map (K-Map). Please write down the simplified Boolean function by using English letters A, B, C, D as variables. (write $\bar{A}B\bar{C}$ as A'BC', don't keep spaces between letters).

Answer:

≡ Quiz navigation

MCQ

1 2 3 4 5 6 7

8 9 10 11 12 13 14

15 16 17 18 19 20

STRUCTURED

21 22 23 24 25 26 27

28 29 30

ESSAY

31

FEEDBACK QUESTION

32

Finish attempt ...

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estion

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct. If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(principal, that person , staff members, the student , the , their, people, one, partners)

Any employee, regardless of .....designation, creates a more hostile workplace by using discriminatory language.

Answer:

Next page

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FEEDB

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Finish a

Time lef

Question 1

Not yet answered

Marked out of 30.00

Flag question

Complete the following essay by selecting the most appropriate word/phrase from the given list.

There are many factors involved in achieving success. But what if ..... end with a poor result? It is not failures themselves that lead to success, but rather a combination of natural ability, persistence, and even luck.

When I started ..... swimming, at age seven, I had some natural ability.

Swimming came easily to me. ..... shown the correct techniques for strokes, turns, and starts, I was able to employ them much quicker than many of my teammates. In fact, within a few months, I was swimming faster than some kids who were in the team for a few years.

They had "failed" many times in the meets they swam in, but it didn't seem to help them understand the techniques or ..... better strategies.

I "failed" just a few times that first year, but my times were better. My natural ability helped me to achieve more ..... their numerous failures.

..... eight years, I have attended practice at least three days a week, with a short break between each of two seasons.

I swim ..... 300 days a year.

This persistence has allowed me ..... both technique and speed.

..... those who don't continue to practice frequently and find ways to swim better and faster don't make the times I do. In my old team, we practiced for an hour and a half, three days a week, forty weeks a year.

In my new team, practice is five days a week for two hours, and we have just four weeks ..... This new practice schedule has helped me to take seconds off every time, and my new team as a whole performs better than the old one.

Luck is ..... a factor in success.

I once won a regional meet because my competitor, who had

Choose...

- Choose...
- off a year
- in comparison with
- countless failures
- to come up with
- also
- to improve
- When
- For the past
- In comparison
- one hundredth of
- Therefore
- competitive
- best time
- meets
- at least

Choose...

Choose...

Choose...

Choose...

Quiz navigation

ACADEMIC INTEGRITY DECLARATIO

I

QUESTIONS

1 2 3 4 5 6 7 8 9

FEEDBACK ON THE EXAM

10

Finish attempt ...

Time left 2:10:42

Activate Windows
Go to Settings to activate Windows.

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Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct . If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(principal, staff members, their, one's, people, one, partners)

The college ..... invites the students to send a proposal outlining any problems they may face when studying abroad and suggesting ways in which the course could address these problems.

Answer:

Next page

Online Exams

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uestion **3**

Not yet answered

Marked out of 4.00

Flag question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct . If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(partners, an , staff members , who , one , their , his, partners, they , customer)

A customer ..... needs service has the right to ask for it.

Answer:

Next page

Invitation to Attend Liberal Arts Department Event

Yours sincerely

Linda Lau

Linda Lau

Liberal Arts Department Chair

Oscar Lee

Managing Editor

Acme Graphic & Design

123 Business Rd

Colombo 05

Dear Mr Lee

The event will be held at the Cox Student Center at Northern State University and will last about two to three hours. If you have an interest in attending or sending a company representative to meet with our students, please let me know at your earliest convenience and I can reserve a table for you.

20 August 2020

I would like to invite you to attend our upcoming Liberal Arts Department's Job Networking event. The event will be held on the afternoon of May 1, 2020. We wish to provide our graduating seniors with an opportunity to meet business leaders in the area who may be looking for new hires who hold degrees in the Liberal Arts.

Thank you

Choose...

Choose...

Choose...

Choose...

Choose...

Choose...

Choose...

Choose...

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FEEDBACK O

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Finish attempt

Time left 1:30:2

Next page

Activate Windows

Question 5

Not yet answered

Marked out of 20.00

Flag question

Arrange the following business letter in the appropriate order by numbering the components from 1 -10.

Thank for your time and I hope to hear from you soon.

Choose...

Choose...
01
05
10
03
09
07
02
04
08
06

Linda Lau
Northern State University
123 Main Street
Colombo 01

Invitation to Attend Liberal Arts Department Event

Yours sincerely
Linda Lau
Linda Lau
Liberal Arts Department Chair

Oscar Lee
Managing Editor
Acme Graphic & Design
123 Business Rd
Colombo 05

Choose...

Dear Mr Lee

Choose...

apparently exhibit traits seen in their Middle Eastern and African predecessors. But the early modern specimens from Central Europe also display Neanderthal traits, and the early modern Australians showed affinities to archaic Homo from Indonesia. Meanwhile, the debate among paleoanthropologists continues, as supporters of the two hypotheses challenge the evidence and conclusions of each other.

FEEDBACK ON THE EX

10

Finish attempt ...

Time left 1:21:08

What is the main idea discussed in the passage ?

Choose...

- Choose...
- Early modern Australian skulls have similarities to those from Indonesia.
- Middle Easterners and Africans
- The difficulties in obtaining agreement among theorists on the human origins debate
- Early modern human skulls all support the same conclusions
- Evidence that supports the "Out of Africa" theory.
- Central Europeans and Australians
- Development
- Appearance
- Two hypotheses and evidence on the human origins debate
- populations in different regions were linked through genetic and cultural exchange.
- the evidence from examinations of early modern human skulls has come from a number of different parts of the world.
- The vast majority of genetic studies have focused on living populations

According to the passage, the multi-regional evolution model posits far more diverse roots for our kind because

The word "emergence" in line 1 is closest in meaning to

Choose...

in line 21.

Question 5

Not yet answered

Marked out of 20.00

Flag question

Arrange the following business letter in the appropriate order by numbering the components from 1 -10.

Thank for your time and I hope to hear from you soon. Choose...

Linda Lau
Northern State University
123 Main Street
Colombo 01 Choose...

Invitation to Attend Liberal Arts Department Event Choose...

Yours sincerely
Linda Lau
Linda Lau
Liberal Arts Department Chair Choose...

Oscar Lee
Managing Editor
Acme Graphic & Design
123 Business Rd
Colombo 05 Choose...

Dear Mr Lee Choose...

The event will be held at the Cox Student Center at Northern State University and will last about two to three hours. If you have an interest in attending or sending a company representative to meet with our students, please let me know at your earliest convenience and I can reserve a table for you. Choose...

Choose...

Quiz navig

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QUESTIONS

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FEEDBACK ON THE E

10

Finish attempt ...

Time left 1:28:47

estion 6

t yet answered

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.00

Flag question

Read the following passage and select the most appropriate answer from the given alternatives.

(Line1) There are two main hypotheses when it comes to explaining the emergence of modern humans. The 'Out of Africa' theory holds that homo sapiens burst onto the scene as a new species around 150,000 to 200,000 years ago in Africa and subsequently replaced archaic humans such as the Neanderthals. The other model, known as multi-regional evolution or regional continuity, posits far more ancient and diverse roots for our kind. Proponents of this view believe that homo sapiens arose in Africa some 2 million years ago and evolved as a single species spread across the Old World, with populations in different regions linked through genetic and cultural exchange.

(Line10) Of these two models, Out of Africa, which was originally developed based on fossil evidence, and supported by much genetic research, has been favored by the majority of evolution scholars. The vast majority of these genetic studies have focused on DNA from living populations, and although some small progress has been made in recovering DNA from Neanderthal that appears to support multi-regionalism, the chance of recovering nuclear DNA from early human fossils is quite slim at present. Fossils thus remain very much a part of the human origins debate.

(Line18) Another means of gathering theoretical evidence is through bones. Examinations of early modern human skulls from Central Europe and Australia dated to between 20,000 and 30,000 years old have suggested that both groups apparently exhibit traits seen in their Middle Eastern and African predecessors. But the early modern specimens from Central Europe also display Neanderthal traits, and the early modern Australians showed affinities to archaic Homo from Indonesia. Meanwhile, the debate among paleoanthropologists continues, as supporters of the two hypotheses challenge the evidence and conclusions of each other.

What is the main idea discussed in the passage ?

Choose...

According to the passage, the multi-

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Finish at

Time left

apparently exhibit traits seen in their Middle Eastern and African predecessors. But the early modern specimens from Central Europe also display Neanderthal traits, and the early modern Australians showed affinities to archaic Homo from Indonesia. Meanwhile, the debate among paleoanthropologists continues, as supporters of the two hypotheses challenge the evidence and conclusions of each other.

FEEDBACK ON THE EX

10

Finish attempt ...

Time left 1:21:08

What is the main idea discussed in the passage ?

Choose...

- Choose...
- Early modern Australian skulls have similarities to those from Indonesia.
- Middle Easterners and Africans
- The difficulties in obtaining agreement among theorists on the human origins debate
- Early modern human skulls all support the same conclusions
- Evidence that supports the "Out of Africa" theory.
- Central Europeans and Australians
- Development
- Appearance
- Two hypotheses and evidence on the human origins debate
- populations in different regions were linked through genetic and cultural exchange.
- the evidence from examinations of early modern human skulls has come from a number of different parts of the world.
- The vast majority of genetic studies have focused on living populations

According to the passage, the multi-regional evolution model posits far more diverse roots for our kind because

The word "emergence" in line 1 is closest in meaning to

Choose...

in line 21.

regional evolution model posits far more diverse roots for our kind because

Choose...

The word "emergence" in line 1 is closest in meaning to

Choose...

In line 21, the pronoun "their" refers to which of the following

Choose...

Which of the following statement is NOT true based on the given passage?

Choose...

Online Exams

Sri Lanka Institute of Information Technology

on 7
t answered
d out of
g question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct . If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(principal, staff members, their, one's, people, one, partners)

Critical thinking is a skill built on ..... ability to conduct careful and thoughtful analyses of issues.

Answer:

Next page

Online Exams

Sri Lanka Institute of Information Technology

Question **8**

Not yet answered

Marked out of 4.00

Flag question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct . If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(principal, staff members, their, one's, people, one, partners)

The scholars will be presenting ..... research reports to the council tomorrow.

Answer:

Next page

I. Lack of competitiveness
II. Lack of infrastructure
III. Restrictive government regulations

Choose...

Which of the following is/are true about India's labour laws mentioned in the passage?

I. They are applicable below a certain threshold level.
II. Most of them are central acts.
III. They create conditions that prevent firms from using labour intensive methods of production.

Choose...

Time left

As per the passage, the government has doubled import duty on which of the following?

I. Kites
II. Electronics
III. Edible items

Choose...

- Choose...
- Only I
- Only I and II
- Indian producers may find it cost-effective to use some capital-intensive production techniques.
- Only I and III
- Only III
- Indian producers find it cost-effective to use labour intensive production techniques.

Which of the following is/are true with respect to the Trade Unions Act mentioned in the passage?

I. As per this law, Unions have the right represent workers in legal disputes with employers.
II. There is restriction on use of contract workers for certain tasks.
III. A minimum of 5 workers are needed to form a Trade Union.

Choose...

As per the passage, what can be inferred from India not being able to 'grasp its

Choose

Question 9

Not yet answered

Marked out of 15.00

Flag question

Read the following passage and select the most appropriate answer from the given alternatives.

The government's recent doubling of duties on imports of beauty aids, watches, toys, furniture, footwear, and, surprisingly, kites and candles shows India's lack of competitiveness even in these entry-level labour-intensive industries. Also, a similar recent doubling of import duties on electronics, including related inputs and parts, is an admission by the government of the country's lack of competence in the highly labour-intensive, low-skilled and repetitive tasks of processing or assembling duty-exempt imported inputs to produce and export finished mobile phones and TVs. And, in textiles and apparel exports, India is now being outperformed not only by China but also by Bangladesh and Vietnam.

To anyone who is aware of the panoply of India's restrictive labour regulations (about 200 labour laws, with over a fourth being central acts), it does not come as a surprise that India is unable to grasp its natural comparative advantage in labour-intensive products. The Industrial Disputes Act (IDA) requires firms with 100 or more workers to seek government permission to retrench or lay off any worker. This permission is rarely granted. The Industrial Employment (Standing Orders) Act, 1946 requires employers in firms with 100 or more workers (50 or more in certain states) to seek permission even for reassigning a worker from one task to another. And the Trade Unions Act allows any seven employees to form a union, thereby using up a large proportion of the firm's managerial resources in dealing with several unions within itself. Through this regulation, unions have the right to strike and represent workers in legal disputes with employers. Last but not the least, The Contract Labour (Regulation And Abolition) Act, 1970 restricts, and even prohibits, the use of contract workers for certain tasks. Thus, these labour regulations effectively prevent firms from using labour-intensive methods of production. Also, since these laws hold above certain threshold employment levels, firms often have an incentive to remain small and "informal".

As per the passage, the government has doubled import duty on which of the following?

Choose...

I. Kites
II. Electronics

≡ Quiz

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Time left 1:04

workers are needed to form a Trade Union.

As per the passage, what can be inferred from India not being able to 'grasp its natural comparative advantage in labour-intensive products?

Choose...

As per the author, what could be some reasons for imposition of import duties on some products?

I. Lack of competitiveness
II. Lack of infrastructure
III. Restrictive government regulations

Choose...

Which of the following is/are true about India's labour laws mentioned in the passage?

I. They are applicable below a certain threshold level.
II. Most of them are

Choose...

I swim ..... 300 days a year. Choose...

This persistence has allowed me ..... both technique and speed. Choose...

..... those who don't continue to practice frequently and find ways to swim better and faster don't make the times I do. In my old team, we practiced for an hour and a half, three days a week, forty weeks a year. Choose...

In my new team, practice is five days a week for two hours, and we have just four weeks ..... This new practice schedule has helped me to take seconds off every time, and my new team as a whole performs better than the old one. Choose...

Luck is ..... a factor in success. Choose...

I once won a regional meet because my competitor, who was ..... a second ahead, made an error and was disqualified. Choose...

Another time, a competitor was sick on the day of the meet and didn't swim his ..... (which would have beaten me). Choose...

My successes at those meets involved, at least in part, luck. Choose...

....., failure is just one part of success. The more important factors are natural ability, persistence, and luck. Choose...

Finish att

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Next page

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Moodle

Swimming came easily to me. ..... shown the correct techniques for strokes, turns, and starts, I was able to employ them much quicker than many of my teammates. In fact, within a few months, I was swimming faster than some kids who were in the team for a few years. Choose...

They had "failed" many times in the meets they swam in, but it didn't seem to help them understand the techniques or ..... better strategies. Choose...

I "failed" just a few times that first year, but my times were better. My natural ability helped me to achieve more ..... their numerous failures. Choose...

..... eight years, I have attended practice at least three days a week, with a short break between each of two seasons. Choose...

I swim ..... 300 days a year. Choose...

This persistence has allowed me ..... both technique and speed. Choose...

..... those who don't continue to practice frequently and find ways to swim better and faster don't make the times I do. In my old team, we practiced for an hour and a half, three days a week, forty weeks a year. Choose...

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Luck is ..... a factor in success. Choose...

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Another time, a competitor was sick on the day of the meet and didn't swim his ..... (which would have beaten me). Choose...

My successes at those meets involved, at least in part, luck. Choose...

....., failure is just one part of success. The more important factors are natural ability, persistence, and luck. Choose...

1 2 3 8 9

FEEDBACK ON THE

10

Finish attempt ...

Time left 2:12:35

Online Exams

Sri Lanka Institute of Information Technology

Question 2

Not yet answered

Marked out of 4.00

Flag question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct . If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(partners, an , staff members , who , one , their , his, partners, they , customer)

A customer ..... needs service has the right to ask for it.

Answer:

Next page

Question 6

Not yet answered

Marked out of 4.00

Flag question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct. If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(principal, that person , staff members, the student , the , their, people, one, partners)

Any employee, regardless of .....designation, creates a more hostile workplace by using discriminatory language.

Answer:

Next page

Question 5

Not yet answered

Marked out of 4.00

Flag question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct . If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(partners, an , staff members , who , one , their , his, partners, they , customer)

A professor should correct ..... students' papers according to a set of predetermined guidelines.

Answer:

Next page

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answered

l out of

g question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct . If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(principal, staff members, their, one's, people, one, partners)

Guests are cordially invited to attend with their _____ .

Next page

tion 3

et answered

ed out of

lag question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct . If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(principal, their, one's, people, one)

Most ....., who are interested in music, take lessons out of school.

Answer:

Next page

Moodle

Sri Lanka Institute of Information Technology

Question 7

Not yet answered

Marked out of 15.00

Flag question

Read the following passage and select the most appropriate answer from the given alternatives.

The government's recent doubling of duties on imports of beauty aids, watches, toys, furniture, footwear, and, surprisingly, kites and candles shows India's lack of competitiveness even in these entry-level labour-intensive industries. Also, a similar recent doubling of import duties on electronics, including related inputs and parts, is an admission by the government of the country's lack of competence in the highly labour-intensive, low-skilled and repetitive tasks of processing or assembling duty-exempt imported inputs to produce and export finished mobile phones and TVs. And, in textiles and apparel exports, India is now being outperformed not only by China but also by Bangladesh and Vietnam.

To anyone who is aware of the panoply of India's restrictive labour regulations (about 200 labour laws, with over a fourth being central acts), it does not come as a surprise that India is unable to grasp its natural comparative advantage in labour-intensive products. The Industrial Disputes Act (IDA) requires firms with 100 or more workers to seek government permission to retrench or lay off any worker. This permission is rarely granted. The Industrial Employment (Standing Orders) Act, 1946 requires employers in firms with 100 or more workers (50 or more in certain states) to seek permission even for reassigning a worker from one task to another. And the Trade Unions Act allows any seven employees to form a union, thereby using up a large proportion of the firm's managerial resources in dealing with several unions within itself. Through this regulation, unions have the right to strike and represent workers in legal disputes with employers. Last but not the least, The Contract Labour (Regulation And Abolition) Act, 1970 restricts, and even prohibits, the use of contract workers for certain tasks. Thus, these labour regulations effectively prevent firms from using labour-intensive methods of production. Also, since these laws hold above certain threshold employment levels, firms often have an incentive to remain small and "informal".

Which of the following is/are true with respect to the Trade Unions Act mentioned in the passage?

I. As per this law, Unions have the right represent workers in legal disputes with employers.

Choose...

Quiz r

ACADEMIC

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QUESTIONS

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Moodle

workers for certain tasks. Thus, these labour regulations effectively prevent firms from using labour-intensive methods of production. Also, since these laws hold above certain threshold employment levels, firms often have an incentive to remain small and "informal".

Finish atter

Time left 1:

Which of the following is/are true with respect to the Trade Unions Act mentioned in the passage?

I. As per this law, Unions have the right represent workers in legal disputes with employers.
II. There is restriction on use of contract workers for certain tasks.
III. A minimum of 5 workers are needed to form a Trade Union.

Choose...

- Choose...
- Only III
- Only I and III
- Only I and II
- Indian producers may find it cost-effective to use some capital-intensive production techniques.
- Indian producers find it cost-effective to use labour intensive production techniques.
- Only I

As per the passage, the government has doubled import duty on which of the following?

I. Kites
II. Electronics
III. Edible items

Choose...

As per the author, what could be some reasons for imposition of import duties on

Moodle

As per the author, what could be some reasons for imposition of import duties on some products?

I. Lack of competitiveness
II. Lack of infrastructure
III. Restrictive government regulations

Choose...

- Choose...
- Only III
- Only I and III
- Only I and II
- Indian producers may find it cost-effective to use some capital-intensive production techniques.
- Indian producers find it cost-effective to use labour intensive production techniques.
- Only I

Which of the following is/are true about India's labour laws mentioned in the passage?

I. They are applicable below a certain threshold level.
II. Most of them are central acts.
III. They create conditions that prevent firms from using labour intensive methods of production.

Choose...

As per the passage, what can be inferred from India not being able to 'grasp its natural comparative

Choose...

Moodle

infrastructure
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III. They create conditions that prevent firms from using labour intensive methods of production.

Choose...

As per the passage, what can be inferred from India not being able to 'grasp its natural comparative advantage in labour-intensive products'?

Choose...

Next page

Moodle

Unions have the right represent workers in legal disputes with employers.
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Choose...

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II. Electronics
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Choose...

- Choose...
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II. Lack of infrastructure
III. Restrictive government regulations

- Indian producers may find it cost-effective to use some capital-intensive production techniques.
- Indian producers find it cost-effective to use labour intensive production techniques.
- Only I

Choose...

Which of the following

Question 1

Not yet answered

Marked out of 30.00

Flag question

Complete the following essay by selecting the most appropriate word/phrase from the given list.

There are many factors involved in achieving success. But what if ..... end with a poor result? It is not failures themselves that lead to success, but rather a combination of natural ability, persistence, and even luck.

When I started ..... swimming, at age seven, I had some natural ability.

Swimming came easily to me. ..... shown the correct techniques for strokes, turns, and starts, I was able to employ them much quicker than many of my teammates. In fact, within a few months, I was swimming faster than some kids who were in the team for a few years.

They had "failed" many times in the meets they swam in, but it didn't seem to help them understand the techniques or ..... better strategies.

I "failed" just a few times that first year, but my times were better. My natural ability helped me to achieve more ..... their numerous failures.

..... eight years, I have attended practice at least three days a week, with a short break between each of two seasons.

I swim ..... 300 days a year.

This persistence has allowed me ..... both technique and speed.

....., those who don't continue to practice frequently and find ways to swim better and faster don't make the times I do. In my old team, we practiced for an hour and a half, three days a week, forty weeks a year.

In my new team, practice is five days a week for two hours, and we have just four weeks

Choose...

- Choose...
- to come up with
- When
- also
- In comparison
- off a year
- For the past
- meets
- countless failures
- competitive
- one hundredth of
- in comparison with
- at least
- Therefore
- best time
- to improve

Choose...

Choose...

Choose...

Quiz navigation

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Finish att

Time left

Online Exams

Sri Lanka Institute of Information Technology

Find the determinant of A.

$$A = \begin{bmatrix} 2 & -3 & 5 \\ -3 & 6 & 2 \\ 1 & -2 & 5 \end{bmatrix}$$

Answer:

$$\begin{bmatrix} -7 & 11 & 5 & 19 & 5 & 11 & -7 \\ -3 & 8 & 14 & 4 & 14 & 8 & -3 \\ -11 & -7 & 14 & -14 & 14 & -7 & -11 \end{bmatrix}$$

$$\begin{bmatrix} -21 & -16 & 14 & -5 & -2 & 17 & -20 \\ -23 & -1 & -20 & -19 & 25 & -25 & -2 \\ 22 & -13 & -3 & -12 & -19 & 2 & 9 \\ 2 & -26 & -5 & -12 & 10 & -26 & -16 \\ -10 & 17 & -11 & 2 & 5 & 30 & -11 \\ 25 & -16 & -5 & -18 & 21 & 18 & 2 \\ -27 & 5 & 17 & -9 & -3 & 10 & 1 \end{bmatrix}$$

$$\begin{bmatrix} 17 & 10 & 13 & -18 & 10 & 5 & 3 \\ 10 & -14 & -7 & 5 & -7 & 8 & -8 \\ 13 & -7 & 20 & 1 & 15 & -20 & -7 \\ -18 & 5 & 1 & -15 & 9 & 16 & -6 \\ 10 & -7 & 15 & 9 & 18 & -11 & 3 \\ 5 & 8 & -20 & 16 & -11 & -3 & 11 \\ 3 & -8 & -7 & -6 & 3 & 11 & 20 \end{bmatrix}$$

None of the above

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estion

Let $A = \begin{bmatrix} 4 & 3 & 1 \\ 5 & 0 & 6 \\ 5 & 2 & 3 \end{bmatrix}$

and B=3A; C=B+2A-5I. Find matrix D such that D=2A+B-C.

Assume I is the identity matrix.

$$D = \begin{bmatrix} a & b & c \\ d & e & f \\ g & h & i \end{bmatrix}$$

a = :

b = :

c = :

d = :

e = :

f = :

g = :

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Consider the following raw operation and find the values of the resulting matrix.

$$\begin{bmatrix} 1 & 2 & -1 & 3 \\ 2 & 5 & 0 & 9 \\ -3 & -4 & 7 & 1 \end{bmatrix}$$

$r_2' = r_2 - 2r_1$

$$\begin{bmatrix} a & b & c & d \\ e & f & g & h \\ i & j & k & l \end{bmatrix}$$

a = :

b = :

c = :

d = :

e = :

f = :

g = :

h = :

i = :

$$A = \begin{bmatrix} 2 & -1 \\ 2 & 3 \end{bmatrix}$$

Find the determinant of the above matrix.:

Find the inverse of the matrix A. $A^{-1} = \begin{bmatrix} a & b \\ c & d \end{bmatrix}$

a = :

b = :

c = :

d = :

(Write your answer with three decimal place)

a = :

b = :

c = :

d = :

e = :

f = :

g = :

h = :

i = :

Select the symmetric matrix from the following choices.

Select one:

$$\begin{bmatrix} 14 & 19 & -17 & 12 & -2 & -1 & -14 \\ 3 & 15 & 13 & -4 & 13 & 3 & -5 \\ -14 & 20 & -4 & 8 & -20 & 18 & 12 \\ -7 & 16 & 5 & 13 & 12 & -11 & -9 \\ -14 & 20 & -4 & 8 & -20 & 18 & 12 \\ 3 & 15 & 13 & -4 & 13 & 3 & -5 \\ 14 & 19 & -17 & 12 & -2 & -1 & -14 \end{bmatrix}$$

$$\begin{bmatrix} 15 & 14 & -14 & 0 & -14 & 14 & 15 \\ -7 & 13 & -11 & -13 & -11 & 13 & -7 \\ 10 & -12 & 18 & 11 & 18 & -12 & 10 \\ 18 & -15 & -5 & -19 & -5 & -15 & 18 \\ -7 & 11 & 5 & 19 & 5 & 11 & -7 \\ -3 & 8 & 14 & 4 & 14 & 8 & -3 \\ -11 & -7 & 14 & -14 & 14 & -7 & -11 \end{bmatrix}$$

$$\begin{bmatrix} -21 & -16 & 14 & -5 & -2 & 17 & -20 \\ -23 & -1 & -20 & -19 & 25 & -25 & -2 \\ 22 & -13 & -3 & -12 & -19 & 2 & 9 \\ 2 & -26 & -5 & -12 & 10 & -26 & -16 \\ -10 & 17 & -11 & 2 & 5 & 30 & -11 \\ 25 & -16 & -5 & -18 & 21 & 18 & 2 \\ -27 & 5 & 17 & -9 & -2 & 10 & 1 \end{bmatrix}$$

Consider the following linear system of equations.

$$x + y - z = -3$$

$$2x + y + z = -1$$

$$x + 2y + az = 1$$

Find the value of **a** if the above system of equations have no solution.

Answer:

Next page

Online Exams

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$$4x - 2y = 8$$

$$3x - 5y = -1$$

Represent the above equations in $Ax = b$ form.

Let adj A $= \begin{bmatrix} p & q \\ r & s \end{bmatrix}$

Find the Following.

|A| = :

p = :

q = :

r = :

s = :

x = :

y = :

Question **4**

Not yet answered

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Flag question

Let $A = \begin{bmatrix} 1 & 2 \\ -3 & 4 \end{bmatrix}$ and $B = \begin{bmatrix} 3 & 0 \\ -1 & 7 \end{bmatrix}$

Find $D = B^2 + AB - I$

$$D = \begin{bmatrix} a & b \\ c & d \end{bmatrix}$$

a = :

b = :

c = :

d = :

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Consider the following linear system.

$$x + y + z = 0$$

$$2x + 3y + z = 4$$

$$x - 3y + 2z = -10$$

$$x = \frac{|A_1|}{|A|} \quad y = \frac{|A_2|}{|A|} \quad z = \frac{|A_3|}{|A|}$$

Find the following.

|A1| = :

|A2| = :

|A3| = :

|A| = :

x = :

y = :

z = :

Find the values of the resulting matrix.

$$\begin{bmatrix} 1 & 1 & 0 & 1 & 0 & 1 \\ 0 & 1 & 0 & -1 & 1 & 0 \\ 0 & 0 & 2 & 4 & 2 & 8 \end{bmatrix}$$

$$\downarrow$$

$$\begin{bmatrix} 1 & 0 & 0 & a & b & c \\ 0 & 1 & 0 & -1 & 1 & 0 \\ 0 & 0 & 1 & d & e & f \end{bmatrix}$$

a = Choose...

b = Choose...

C = Choose...

d = Choose...

e = Choose...

f = Choose...

2

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stion

Consider the following function.

$$g: R \rightarrow R \quad g(x) = \frac{(-2x+1)}{3}$$

Find $g^{-1}(-3)$

Hint : Find the inverse of g and substitute -3.

Answer:

Next page

C_{12} Choose...

C_{13} Choose...

C_{21} Choose...

C_{22} Choose...

C_{23} Choose...

C_{31} Choose...

C_{32} Choose...

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estion

If |A| = -35 then find the cofactor matrix of A.

$$A = \begin{bmatrix} 1 & -2 & 2 \\ 3 & 4 & 5 \\ 2 & 1 & x \end{bmatrix}$$

C_{11} Choose...

C_{12} Choose...

C_{13} Choose...

C_{21} Choose...

C_{22} Choose...

6

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$$\begin{bmatrix} 1 & 0 & 0 & 1 & -1 & 2 \\ -2 & 1 & 0 & -1 & 2 & 1 \\ 0 & 0 & -3 & 6 & -3 & 18 \end{bmatrix}$$

$$\Downarrow$$

$$\begin{bmatrix} 1 & 0 & 0 & 1 & -1 & 2 \\ 0 & 1 & 0 & a & b & c \\ 0 & 0 & 1 & d & e & f \end{bmatrix}$$

Find the values of a, b, c, d, e and f.

a = :

b = :

c = :

d = :

e = :

f = :

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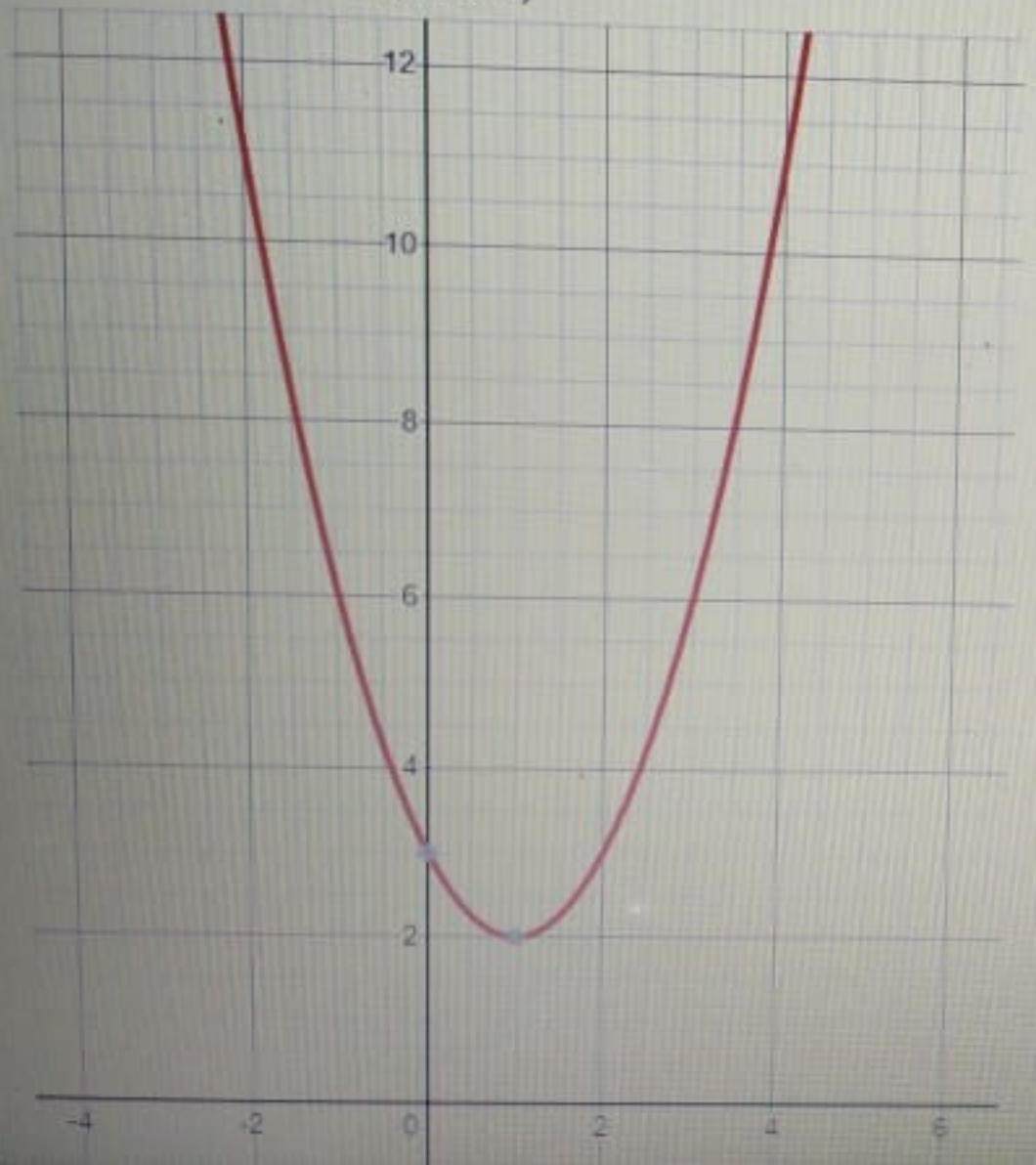
g question

Graph of $y = X^2 - 2x + 3$ is given below. Find the area under the curve from -3 to 4. (Round your answer to 2 decimal places)



≡ Quiz navigation

DECLARATION

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EXAM QUESTIONS

1 2 3 4 5

8 9 10 11 12

15 16 17 18 19

22 23 24 25 26

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Finish attempt ...

Time left 0:38:03

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Online Exams

Sri Lanka Institute of Information Technology

18
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question

Find the following definite integral.

$$\int_1^2 \left(\frac{1}{x^2} - 3\right) dx.$$

(Keep your answer with a one decimal place)

Answer:

estion 17

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00

Flag question

Consider the following function.

$$f(x) = x^5 + 2x^3 - 5$$

1. Find f ' (-2) :

2. Find the definite integral of f(x) from -2 to 2 :

Next page

Online Exams

Sri Lanka Institute of Information Technology

$$f(x) = \frac{-(x+1)}{4x+7}$$

Find f ' (-3/2).

Hint : Differentiate the function and Substitute -3/2.

(No spaces should be in the answer)

Answer:

ered
of
stion

Find the following definite integral.

$$\int_{-3}^{0} |5x - 4| dx$$

(Write the answer as a fraction Eg: 3/2, Please remove spaces from the answer)

Answer:

Next page

In how many ways can Kamal choose a consonant and a vowel from the letters of the word ALLAHABAD?

Answer = :

Next page

3

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question

Following adjacency matrix represents a graph.

$$\begin{bmatrix} 1 & 0 & 1 & 2 \\ 1 & 1 & 0 & 1 \\ 0 & 1 & 0 & 1 \\ 0 & 1 & 0 & 0 \end{bmatrix}$$

Find the following.

This graph is a

- Undirected Graph
- Directed Graph

Number of Loops = :

Number of Edges = :

Number of Vertices = :

Next page

Online Exams

Sri Lanka Institute of Information Technology

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question

Read the following sentence and select the most appropriate word from the given list to make the sentence discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the s correct . If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(partners, an , staff members , who , their , his, partners, they , customer)

Shannon was hoping that a doctor would give ..... opinion.

Answer: his

Online Exams

Sri Lanka Institute of Information Technology

Question 6

Not yet answered

Marked out of 4.00

Flag question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct . If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(principal, staff members, their, one's, people, one, partners)

The college .....:..... invites the students to send a proposal outlining any problems they may face when studying abroad and suggesting ways in which the course could address these problems.

Answer:

Next page

Quiz navigation

ACADEMIC INTEGRITY D

i

QUESTIONS

1 2 3 4

8 9

FEEDBACK ON THE EXAM

10

Finish attempt ...

Time left 1:22:59

Activate Windows
Go to Settings to activate

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

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(principal, staff members, their, one's, one, partners)

To qualify for payment of the mobility incentive at the office, ... must have five years' prior continuous service on a fixed-term or continuing appointment.

Answer: staff members

Next page

Read the following sentence and select the most appropriate word from the given list to make
discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list a
correct . If not, the system will mark your answer as wrong. In addition, do not type any punctua

(partners, an , staff members , who , one , their , his, partners, they , customer)

A customer ..... needs service has the right to ask for it.

Answer: they

Which of the following is contrary to the facts mentioned in the passage about women in the Asia-Pacific region?

Their contribution is greatly acknowledged.

'Democracy in the 21st century is moving towards equity and inclusion.' implies that

Democracy in the 21st century is accepting both men and women equally in the mainstream politics.

What is the position of women in the economic pyramid?

They are at the bottom of the economic pyramid.

Which of the following is true about 'Bolsa Familia' programme?

This programme pulled millions out of poverty.

According to the author,

Most of the policy makers across the world agree that there should be gender equality.

Next page

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct. If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(principal, staff members, student , the , their, one's, people, the student, partners)

A student must work hard if .....wishes to get good grades.

Answer:

Next page

pyramid. Women are stuck on a 'sticky floor' of low technology, low productivity, low skills, low earnings and low dignity." Rural women in the Asia-Pacific region make critical contributions to household production and national food security, yet their contribution is hardly acknowledged.

The credit for the success of Brazil's conditional cash transfer programme, Bolsa Familia, goes to women. The programme rewards families for sending their children to school and taking them for regular health check- ups. This scheme has pulled millions out of poverty. The state tends to believe women are more reliable than men. In Mexico, a similar programme, 'Oportunidades', is available exclusively to women.

There is strong empirical evidence to suggest that money in the hands of the mother increases expenditure on children. There is a strong positive correlation between women's status and economic/social development. Policy makers across the world have placed great emphasis on gender equality. The experience suggests that economic development alone is not enough to bring about equality. What is needed is policy action. This is where the importance of women's political empowerment comes. Democracy in the 21st century is moving towards equity and inclusion. This is the underlying message of citizens' movements across the world. And with increasing role of women at the policy level and in institutions of government, democracy can become 'politics of difference' and 'politics of presence'.

Which of the following is contrary to the facts mentioned in the passage about women in the Asia-Pacific region?

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Online Exams

Sri Lanka Institute of Information Technology

Question 7

Not yet answered

Marked out of 4.00

Flag question

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(principal, staff members, their, one's, people, one)

It's sometimes hard for ..... to choose a film that fits the mood purely on the basis of the poster or the description on the cover of the DVD.

Answer:

Next page

Question 6

Not yet answered

Marked out of 15.00

Flag question

Read the following passage and select the most appropriate answer from the given alternatives.

Nehru's was a many sided personality. He enjoyed reading and writing books as much as he enjoyed fighting political and social evils or residing tyranny. In him, the scientist and the humanist were held in perfect balance. While he kept looking at special problems from a scientific standpoint. He never forgot that we should nourish the total man. As a scientist, he refused to believe in a benevolent power interested in men's affairs. But, as a self-proclaimed non-believer, he loved affirming his faith in life and the beauty of nature. Children he adored. Unlike Wordsworth, he did not see them trailing clouds of glory from the recent sojourn in heaven. He saw them as a blossoms of promise and renewal, the only hope for mankind.

Nehru thought that children	held promise for a better future
A 'many-sided personality' means	a person having varied interests
Which of the statements reflects Nehru point of view?	Science and Humanism are equally important
Nehru enjoyed	fighting political and social evils
In this passage, 'a benevolent power' means	the spirit of science

Not yet answered

Marked out of 30.00

Flag question

Complete the following essay by selecting the most appropriate word/phrase from the given list.

The world of sports is a multimillion dollar industry. Around the globe, people _____ to sporting events or watch their favourite teams faithfully each week on television. — flock

_____, professional sports athletes receive huge salaries – well above, for example, those of doctors, lawyers, teachers or social workers. — as a result

There is some debate about whether such outrageously high salaries are _____. — justified

On the one hand, sport is viewed as a _____ career, in which the top players should rightly earn high salaries. — professional

Athletes train rigorously from an early age to become _____ performers in their field. They face tremendous pressure in each and every game, match or competition. — peak

Their personal lives are _____ and they lose all privacy. — compromised

_____, their strong achievements bring honour and attention, not only to themselves, but also to their teams, schools, cities or countries. — at the same time

On the other hand, various professions contribute to making our world run _____. — smoothly

Doctors put in at least ten years of _____ study and internship: their work saves lives. — grueling

Teachers educate and inspire young people to be _____ citizens: their efforts produce the citizens of tomorrow. — responsible

Social workers _____ individuals facing physical, mental and psychological challenges: their intervention creates safer societies. — rescue

_____ professionals in the fields above usually struggle to get by, despite their meaningful and critical contribution to the world. — yet

In my view, paying enormous salaries to sportspeople is _____. — unnecessary

We need to reconsider our social priorities and eliminate the great disparity in income received by _____ professionals. — diverse

By doing so, we can build societies in which each one feels valued, appreciated and appropriately _____ for their own vocation or specialization. — compensated

Question 8
Not yet answered
Marked out of 30.00
Flag question

Complete the following essay by selecting the most appropriate word/phrase from the given list.

The world of sports is a multimillion dollar industry. Around the globe, people _____ to sporting events or watch their favourite teams faithfully each week on television. — grueling

_____, professional sports athletes receive huge salaries – well above, for example, those of doctors, lawyers, teachers or social workers. — as a result

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Quiz navigation

ACADEMIC INTEGRITY DECLARATION
1

QUESTIONS
1 2 3 4 5 6 7 8

FEEDBACK ON THE EXAM
10

Finish attempt ...

Time left 1:17:34

Online Exams

Sri Lanka Institute of Information Technology

Question 7

Not yet answered

Marked out of 4.00

Flag question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct . If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(partners, an , staff members , who , one , their , his, partners, they , customer)

A professor should correct ..... students' papers according to a set of predetermined guidelines.

Answer:

Next page

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Finish attempt

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Online Exams

Sri Lanka Institute of Information Technology

Question **4**

Not yet answered

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Flag question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct. If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(principal, that person , the , their, he , one's, people, that persons, partners)

If anyone attains a leadership role in an organization, ...should set an example by being fair and equitable in his treatment to all employees.

Answer:

Next page

Online Exams

Sri Lanka Institute of Information Technology

7

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question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct . If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(principal, staff members, their, one's, people, one)

It's sometimes hard for ..... to choose a film that fits the mood purely on the basis of the poster or the description on the cover of the DVD.

Answer: People

Next page

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Online Exams

Sri Lanka Institute of Information Technology

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Read the following sentence and select the most appropriate word from the given list to make the se
discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and th
correct. If not, the system will mark your answer as wrong. In addition, do not type any punctuation m

(principal, that person , the , their, he , one's, people, that persons, partners)

If anyone attains a leadership role in an organization, ...should set an example by being fair a
treatment to all employees.

Answer: that person

Moodle

Online Exams

Sri Lanka Institute of Information Technology

Question 8

Not yet answered

Marked out of 4.00

Flag question

Read the following sentence and select the most appropriate word from the given list to mak
discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the lis
correct . If not, the system will mark your answer as wrong. In addition, do not type any punc

(principal, staff members, their, one's, people, one, partners)

Guests are cordially invited to attend with their partners .

empowerment comes. Democracy in the 21st century is moving towards equity and inclusion. This is the underlying message of citizens' movements across the world. And with increasing role of women at the policy level and in institutions of government, democracy can become 'politics of difference' and 'politics of presence.'

Which of the following is contrary to the facts mentioned in the passage about women in the Asia-Pacific region?	Their contribution is greatly acknowledged.
What is the position of women in the economic pyramid?	They are at the bottom of the economic pyramid.
'Democracy in the 21st century is moving towards equity and inclusion.' implies that	Democracy in the 21st century is accepting both men and women equally in the mainstream politics.
According to the author,	Most of the policy makers across the world agree that there should be gender equality.
Which of the following is true about 'Bolsa Familia' programme?	This programme pulled millions out of poverty.

Online Exams

Sri Lanka Institute of Information Technology

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct . If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(principal, staff members, their, one's, one, partners)

To qualify for payment of the mobility incentive at the office, ... must have five years' prior continuous service on a fixed-term or continuing appointment.

Answer:

Next page

Question 7
Not yet answered
Marked out of 4.00
Flag question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct . If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(partners, an , staff members , who , one , their , his, partners, they , customer)

A professor should correct ..... students' papers according to a set of predetermined guidelines.

Answer:

Next page

Question 8

Not yet answered

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Flag question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminat
answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are corre
system will mark your answer as wrong. In addition, do not type any punctuation marks.

(principal, that person , staff members, the student , the , their, people, one, partners)

Any employee, regardless of .....designation, creates a more hostile workplace by using discriminatory language.

Answer:

ion 6
et answered
ed out of
ag question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct. If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(principal, staff members, student , the , their, one's, people, the student, partners)

A student must work hard if .....wishes to get good grades.

Answer:

Next page

5.00

Flag question

government of the country's lack of competence in the highly labour-intensive, low-skilled and repetitive tasks of processing or assembling duty-exempt imported inputs to produce and export finished mobile phones and TVs. And, in textiles and apparel exports, India is now being outperformed not only by China but also by Bangladesh and Vietnam.

To anyone who is aware of the panoply of India's restrictive labour regulations (about 200 labour laws, with over a fourth being central acts), it does not come as a surprise that India is unable to grasp its natural comparative advantage in labour-intensive products. The Industrial Disputes Act (IDA) requires firms with 100 or more workers to seek government permission to retrench or lay off any worker. This permission is rarely granted. The Industrial Employment (Standing Orders) Act, 1946 requires employers in firms with 100 or more workers (50 or more in certain states) to seek permission even for reassigning a worker from one task to another. And the Trade Unions Act allows any seven employees to form a union, thereby using up a large proportion of the firm's managerial resources in dealing with several unions within itself. Through this regulation, unions have the right to strike and represent workers in legal disputes with employers. Last but not the least, The Contract Labour (Regulation And Abolition) Act, 1970 restricts, and even prohibits, the use of contract workers for certain tasks. Thus, these labour regulations effectively prevent firms from using labour-intensive methods of production. Also, since these laws hold above certain threshold employment levels, firms often have an incentive to remain small and "informal".

Which of the following is/are true about India's labour laws mentioned in the passage?

I. They are applicable below a certain threshold level.
II. Most of them are central acts.
III. They create conditions that prevent firms from using labour intensive methods of production.

Only I and III

As per the author, what could be some reasons for imposition of import duties on some products?

I. Lack of competitiveness
II. Lack of infrastructure
III. Restrictive government regulations

Choose...

As per the passage, the government has doubled import duty on which of the following?

I. Kites
II. Electronics
III. Edible items

Choose...

As per the passage, what can be inferred from India not being able to 'grasp its natural comparative advantage in labour-intensive products?

Choose...

Which of the following is/are true with respect to the Trade Unions Act mentioned in the passage?

I. As per this law, Unions have the right represent workers in legal disputes with employers.
II. There is restriction on use of contract workers for certain tasks.
III. A minimum of 5 workers are needed to form a Trade Union.

Choose...

Next page

ACADEMIC INTEGRITY DECLARATION

I

QUESTIONS

1 2 3 4 5 6 7 8 9

FEEDBACK ON THE EXAM

10

Finish attempt ...

Time left 1:05:26

Online Exams

Sri Lanka Institute of Information Technology

Read the following sentence and select the most appropriate word from the given list t
in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in
will mark your answer as wrong. In addition, do not type any punctuation marks.

(principal, their, one's, people, one)

Most ....., who are interested in music, take lessons out of school.

Answer:

Arrange the following business letter in the appropriate order by numbering the comp

Thank for your time and I hope to hear from you soo 8

Linda Lau

Northern State University

123 Main Street

Colombo 01 1

Invitation to Attend Liberal Arts Department Event 5

Yours sincerely

Linda Lau 10

Linda Lau

Liberal Arts Department Chair

Oscar Lee

Managing Editor

Acme Graphic & Design 3

123 Business Rd

Colombo 05

Dear Mr Lee 4

The event will be held at the Cox Student Center at Northern State University and will last a three hours. If you have an interest in attending or sending a company representative to m students, please let me know at your earliest convenience and I can reserve a table for you 7

20 August 2020 2

I would like to invite you to attend our upcoming Liberal Arts Department's Job Networking

8
answered
out of
question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct . If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(principal, staff members, their, one's, people, one)

It's sometimes hard for ..... to choose a film that fits the mood purely on the basis of the poster or the description on the cover of the DVD.

Answer:

Next page

Quiz naviga

ACADEMIC INTEGRI

1

QUESTIONS

1 2 3 4

8 9

FEEDBACK ON THE EXAM

10

Finish attempt ...

Time left 1:08:05

Question 7
Not yet answered
Marked out of 10.00
Flag question

Complete the following essay by selecting the most appropriate word/phrase from the given list.

There are many factors involved in achieving success. But what if ..... end with a poor result? It is not failures themselves that lead to success, but rather a combination of natural ability, persistence, and even luck.

When I started ..... swimming, at age seven, I had some natural ability.

Swimming came easily to me. ..... shown the correct techniques for strokes, turns, and starts, I was able to employ them much quicker than many of my teammates. In fact, within a few months, I was swimming faster than some kids who were in the team for a few years.

They had "failed" many times in the meets they swam in, but it didn't seem to help them understand the techniques or ..... better strategies.

I "failed" just a few times that first year, but my times were better. My natural ability helped me to achieve more ..... their numerous failures.

..... eight years, I have attended practice at least three days a week, with a short break between each of two seasons.

I swim ..... 300 days a year.

This persistence has allowed me ..... both technique and speed.

..... those who don't continue to practice frequently and find ways to swim better and faster don't make the times I do. In my old team, we practiced for an hour and a half, three days a week, forty weeks a year.

In my new team, practice is five days a week for two hours, and we have just four weeks ..... This new practice schedule has helped me to take seconds off every time, and my new team as a whole performs better than the old one.

Luck is ..... a factor in success.

I once won a regional meet because my competitor, who was ..... a second ahead, made an error and was disqualified.

Another time, a competitor was sick on the day of the meet and didn't swim his ..... (which would have beaten me).

My successes at those meets involved, at least in part, luck.

....., failure is just one part of success. The more important factors are natural ability, persistence, and luck.

- countless failures
- competitive
- When
- to come up with
- In comparison
- For the past
- at least
- to improve
- in comparison with
- off a year
- also
- one hundredth of
- best time
- meets
- Therefore

Read the following sentence and select the most appropriate word from the given list to make
answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list
system will mark your answer as wrong. In addition, do not type any punctuation marks.

(principal, staff members, student , the , their, one's, people, the student, partners)

A student must work hard if .....wishes to get good grades.

Answer:

red

ion

Read the following sentence and select the most appropriate word from the given list to make the sentenc answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(partners, an , staff members , who , one , their , his, partners, they , customer)

If customers pay promptly, ... are placed in our preferred list.

Answer:

Question 3

Not yet answered

Marked out of 30.00

Flag question

Complete the following essay by selecting the most appropriate word/phrase from the given list.

"Failure is simply the opportunity to begin again, this time more _____," wrote Henry Ford. People are constantly shaped and influenced by their experiences. People learn by doing. Often, people learn considerably more from their mistakes than their success.

For proof of failure driving success, _____ from both science and art, including Thomas Edison, Vincent Van Gogh, and Stephen King.

The _____ inventor, Thomas Edison, rose to prominence in the late 19th century because of his successes, but even he felt that these successes were the result of many failures.

He did not succeed in his work on one of his most famous inventions, the lightbulb, on his first try _____even on his hundred and first try.

In fact, it took him more than 1,000 attempts to make the first _____ bulb but, along the way, he learned quite a lot.

As he said, "I did not fail a thousand times but instead succeeded in finding a thousand ways it would not work." Thus, Edison demonstrated _____ in thought and action how instructive mistakes can be.

The road to _____ success for the 19th century artist Vincent van Gogh was even more dramatically paved with failure.

_____, van Gogh is considered one of the most celebrated painters of all time.

_____, during his lifetime, he was considered a disappointment. In current day, his paintings can sell for millions of dollars, but he struggled to sell his paintings when he was alive. He even took to burning several of his paintings because they would not sell.

The 20th century writer Stephen King, author of novels that were turned into popular movies (e.g., Stand by Me and The Shawshank Redemption) also experienced _____.

When he wrote his first novel, Carrie, he was teaching school in rural Maine. _____ he had previously had limited success in selling his short stories, it took him 30 attempts to get Carrie published.

He _____ threw away the manuscript, but his wife pulled it out from the trash and encouraged him to try again. It is hard to imagine Stephen King ever felt that defeated, isn't it?

Thomas Edison, Vincent van Gogh, and Stephen King demonstrate, in both science and art, that failure more often than not _____ success. Whenever we learn a new skill - be it riding a bike, driving a car, or cooking a cake - we learn from our mistakes.

- intelligently
- consider examples
- famed
- nor
- incandescent
- both
- precedes
- In current day
- However
- failure
- Although
- inevitably
- contemporary

Quiz navigation

ACADEMIC INTEGRITY D

QUESTIONS

1 2 3 4 9

FEEDBACK ON THE EX

10

Finish attempt ...

Time left 1:45:56

Online Exams

Sri Lanka Institute of Information Technology

Question 7

Not yet answered

Marked out of 1.00

Flag question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct . If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(principal, staff members, their, one's, one, partners)

To qualify for payment of the mobility incentive at the office, ... must have five years' prior continuous service on a fixed-term or continuing appointment.

Answer:

Next page

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Sunil analyzed a real-world problem to design a combinational circuit. He derived following equations by carefully going through the line numbers of truth table.

$$f = \sum(2, 3, 6, 15)$$

$$don't_care = \sum(5, 7, 11)$$

He needs your support to simplify these equations using a Karnaugh map (K-Map). Please write down the simplified Boolean equation by using English letters A, B, C, D as variables. (write $\bar{A}B\bar{C}$ as A'BC', don't keep spaces between letters)

Answer: A'C+CD

Finish attempt ...

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ag question

For the given IP address find the following.

IP address: - 192.168.200.34

- Network address: . . .
- Subnet mask: . . .
- Broadcast address: 192 . 168 . 200 .
- 1st usable IP address: 192 . 168 . 200 .
- Last usable IP address: 192 . 168 . 200 .
- Number Hosts that can be connected to this network:

Online Exams

Sri Lanka Institute of Information Techno

For the given IP address find the following.

IP address: - 174.16.20.13

- Network address: ___ . ___ . ___ . ___
- Subnet mask: ___ . ___ . ___ . ___
- Broadcast address: 174 . 16 . ___ . ___
- 1st usable IP address: 174 . 16 . ___ . ___
- IP Address Class: ___ (Only type the Letter)

Online Exams

Sri Lanka Institute of Information Technology

Sunil analyzed a real-world problem to design a combinational circuit. He derived following equations by carefully going through the line numbers of truth table.

$$f = \sum(1, 5, 9, 15)$$

$$don't_care = \sum(3, 11, 13)$$

He needs your support to simplify these equations using a Karnaugh map (K-Map). Please write down the simplified Boolean equation by using English letters A, B, C, D as variables. (write $\bar{A}B\bar{C}$ as A'BC', don't keep spaces between letters)

Answer:

Sunil analyzed a real-world problem to design a combinational circuit. He derived followi equations by carefully going through the line numbers of truth table.

$$f = \sum (9, 12, 14, 15)$$

$$don't_care = \sum (4, 11, 13)$$

He needs your support to simplify these equations using a Karnaugh map (K-Map). Please write down the simplified Boolean equation by using English letters A, B, C, D as variables. (write $\bar{A}B\bar{C}$ as A'BC', don't keep spaces between letters)

Answer:

Online Exams

Sri Lanka Institute of Information Technology

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John typed 'ipconfig' command while being connected to his home WiFi and obtained the following result. *How many IPv4* computers(devices) can be connected to John's home network?

```
Wireless LAN adapter Wi-Fi:

   Connection-specific DNS Suffix  . :
   IPv6 Address. . . . . . . . . . . : 2402:4000:2080:76c8:74a5:2827:c1c0:4
   IPv6 Address. . . . . . . . . . . : 2402:4000:2182:5b3f:5095:effe:e4bc:5f63
   IPv6 Address. . . . . . . . . . . : 2402:4000:2182:5b3f:74a5:2827:c1c0:4
   Temporary IPv6 Address. . . . . . : 2402:4000:2182:5b3f:a4e4:9e4c:8590:cb0
   Link-local IPv6 Address . . . . . : fe80::5095:effe:e4bc:5f63%4
   IPv4 Address. . . . . . . . . . . : 192.168.8.106
   Subnet Mask . . . . . . . . . . . : 255.255.255.0
   Default Gateway . . . . . . . . . : fe80::76a5:28ff:fe27:c1c0%4
                                       192.168.8.1
```

Answer:

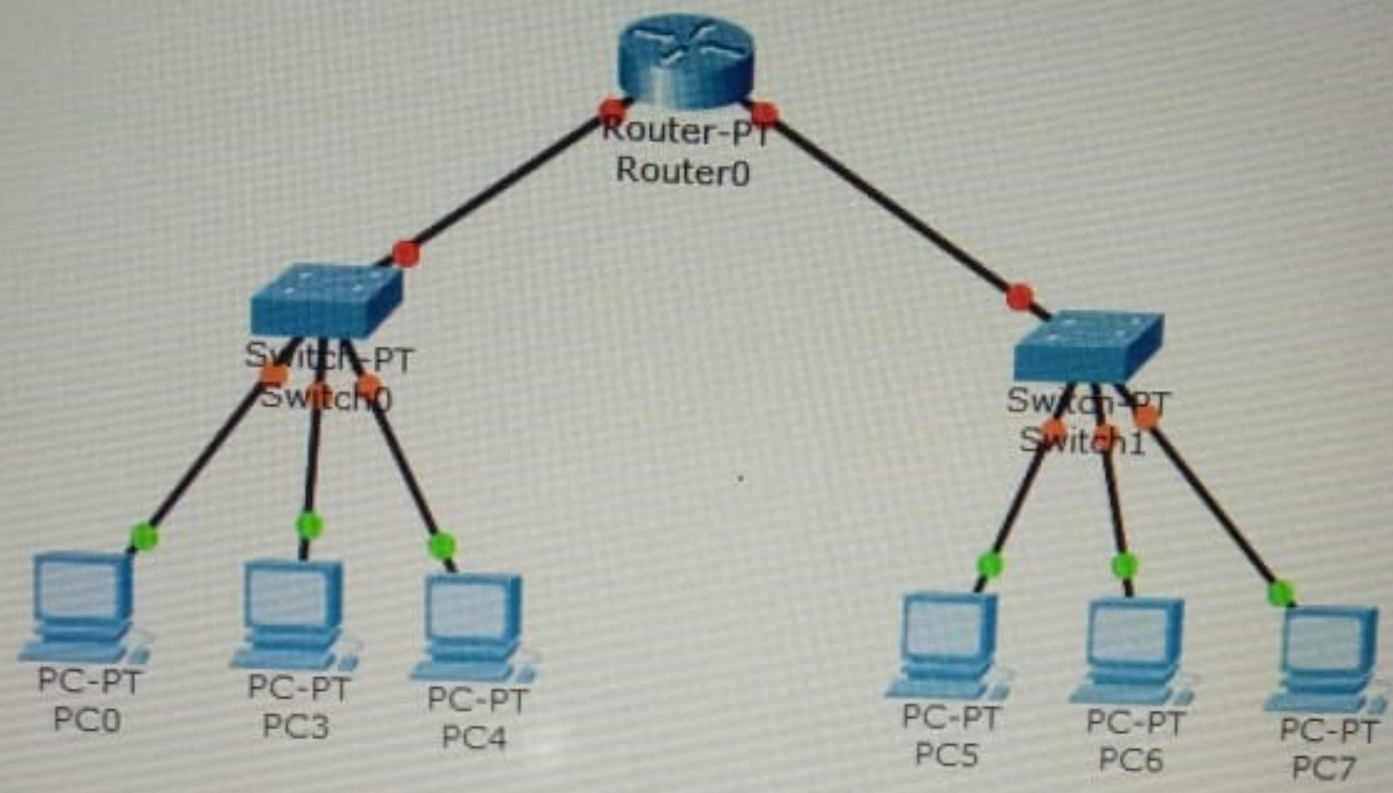
Question **20**

Not yet answered

Marked out of 1.00

Flag question

Which of the following statements describe the network shown in the graphic? (Select two)



Select one or more:

- There are total number of eight collision domains in the network.
- There are total number of two broadcast domains in the network.
- There are total number of six broadcast domains in the network.
- There are total number of seven collision domains in the network.
- There are total number of four broadcast domains in the network.
- There are total number of four collision domains in the network.

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Flag question

Select the correct elements/components that make up a network.

Select one:

- Device, Medium, Message, Protocols.
- Service, Medium, Packet, Rules.
- Device, Wire, Message, Rules.
- Service, Medium, Packet, Protocols.
- Device, Medium, Message, Rules.

Sunil analyzed a real-world problem to design a combinational circuit. He derived following equations by carefully going through the line numbers of truth table.

$$f = \sum(1, 5, 9, 15)$$

$$don't_care = \sum(3, 11, 13)$$

He needs your support to simplify these equations using a Karnaugh map (K-Map). Please write down the simplified Boolean equation by using English letters A, B, C, D as variables. (write $\bar{A}B\bar{C}$ as A'BC', don't keep spaces between letters)

Answer: A'.B+B.C

Finish attempt ...

Online Exams

Sri Lanka Institute of Information Technology

In the instruction ADD AX, 20H, the answer gets stored in

John typed 'ipconfig' command while being connected to his home WiFi and obtained the following result. How many IPv4 computers(devices) can be connected to John's home network?

```
Wireless LAN adapter Wi-Fi:

   Connection-specific DNS Suffix  . :
   IPv6 Address. . . . . . . . . . . : 2402:4000:2080:76c8:74a5:2827:c1c0:4
   IPv6 Address. . . . . . . . . . . : 2402:4000:2182:5b3f:5095:effe:e4bc:5f63
   IPv6 Address. . . . . . . . . . . : 2402:4000:2182:5b3f:74a5:2827:c1c0:4
   Temporary IPv6 Address. . . . . . : 2402:4000:2182:5b3f:a4e4:9e4c:8590:cb0
   Link-local IPv6 Address . . . . . : fe80::5095:effe:e4bc:5f63%4
   IPv4 Address. . . . . . . . . . . : 192.168.8.106
   Subnet Mask . . . . . . . . . . . : 255.255.255.0
   Default Gateway . . . . . . . . . : fe80::76a5:28ff:fe27:c1c0%4
                                       192.168.8.1
```

Answer:

Online Exams

Sri Lanka Institute of Information Technology

Complete the missing parts of the binary form of following IPv4 address:

IPv4 Address: 198.169.11.3

- IPv4 Address in Binary: _____ . _____ . 00001011 . 00000011
- How Many Hosts Can be Connected this Network: _____

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Online Exams

Sri Lanka Institute of Information Technology

Question **16**

Not yet answered

Marked out of 1.25

Flag question

Select the correct logic circuit categories

Select one:

- a. Input and output
- b. Combinational and sequential
- c. Comparator circuits
- d. Multiplexer
- e. Encoder

Question 31
Not yet answered
Marked out of 8.00
Flag question

Sunil analyzed a real-world problem to design a combinational circuit. He derived following equations by carefully going through the line numbers of truth table.

$$f = \sum(9, 12, 14, 15)$$

$$don't_care = \sum(4, 11, 13)$$

He needs your support to simplify these equations using a Karnaugh map (K-Map). Please write down the simplified Boolean equation by using English letters A, B, C, D as variables. (write $\bar{A}B\bar{C}$ as A'BC', don't keep spaces between letters)

Answer:

n 13

answered

d out of

g question

What is the meaning of ADD and CMP

Select one:

- a. add two numbers and compare number
- b. Storage elements and next stage
- c. Output information to device
- d. Storage element and unconditional jump
- e. Unconditional jump and store information to RAM

Select the correct statement.

Select one:

- A private network is not directly connected to Internet.
- In a private network, it is mandatory to follow Internet standards.
- None of the given answers are true.
- If a network is directly connected to Internet, it will become a part of Internet.
- A private network is a set of interconnected Intranets.

Question **25**

Not yet answered

Marked out of 2.00

Flag question

Write the number of bits used in an IPv6 address.

Answer: 128

Binary coded decimal for number 12 is 0001 0010 .Binary coded decimal for number 45 is 0100 0101. What is the binary coded decimal for number 52

Select one:

- a. 0110 0010
- b. 0101 0010
- c. 0001 0100
- d. 1101 0010
- e. 0101 0011

Next page

Online Exams

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Select the incorrect statement

Select one:

- a. RISC normally has low cycles per second, large code sizes
- b. In CISC, more transistors are used for storing complex instructions
- c. In RISC processors, more emphasis is given to software
- d. Compiler workload is low in RISC based machines
- e. SPARC and Power PC are desktop computers that use RISC processors

What is the meaning of "Broadcasting" in Networking?

Select one:

- Addressing a packet to all except a particular machine.
- Addressing a packet to a particular machine.
- Addressing a packet to all machines.
- Addressing a packet to group of machines.
- None of the mentioned is correct.

Question **16**

Not yet answered

Marked out of 1.00

Flag question

Select the correct statement about hubs.

Select one:

- Hub functions are similar to switch.
- Hub always unicast messages.
- None of the given statements are true.
- Hub maintains a MAC table for data forwarding
- Hub always broadcast messages.

What are the correct statements about "MAC address table"? (select two)

Select one or more:

- MAC address table is created for each computer
- MAC address table is a collection of MAC addresses with the respective connected ports
- None of the given answers are true
- MAC address table is used by routers
- MAC address table is used by switches

Steps of an instruction cycle is given below:

A. Instruction fetch

B. Data operation

C. Instruction operation decoding

D. Data store

E. Operand fetch

Find the correct order of execution.

Select one:

- a. B, A, C, D, E
- b. A, C, E, B, D
- c. D, C, A, B, E
- d. B, A, E, C, D
- e. A, C, B, D, E

Online Exams

Sri Lanka Institute of Information Technolo

Which of the following is not a file extension of a compressed

Select one:

- a. .tar.gz
- b. .zip
- c. All are compressed file extensions
- d. .gz
- e. .pkg

Online Exams

Sri Lanka Institute of Information Technology

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Copper cables are one of the most popular wired transmission medium because,

Select one:

- There are multiple number of cables.
- It is the only guided medium available.
- It is less costly in maintenance and installation.
- Copper cables can bend in any direction.
- It uses differential signaling for signal transmission.

What is "Attenuation" in a data transmission medium?

Select one:

- One signal getting mixed up with another signal.
- Loss of signal strength.
- None of the mentioned is true.
- An unwanted signal component.
- Reflecting of a signal at an interface.

Question **16**

Not yet answered

Marked out of 1.25

Flag question

Choose the correct storage device that works as a non-volatile memory

Select one:

- a. Registers
- b. S-RAM
- c. D-RAM
- d. Cache memory
- e. BIOS chip

Steps of an instruction cycle is given below:

A. Instruction fetch

B. Data operation

C. Instruction operation decoding

D. Data store

E. Operand fetch

Find the correct order of execution.

Select one:

- a. B, A, C, D, E
- b. A, C, E, B, D
- c. D, C, A, B, E
- d. B, A, E, C, D
- e. A, C, B, D, E

Online Exams

Sri Lanka Institute of Information Technology

Question **12**

Not yet answered

Marked out of 1.25

Flag question

Which of the following statements are true? (select two).

Select one or more:

- [ ] Point-to-Point connection provides a dedicated link between the two devices.
- [ ] A multipoint connection is a connection established between more than two devices.
- [ ] Multi-point connection is always build using a wireless media.
- [ ] Point to point connection is always build using a wireless media.
- [ ] Point to point connection is always build using a copper cable.

What does a Protocol define?

Select one:

- Protocol defines when data is communicated.
- Protocol defines what data is communicated.
- None of the mentioned is true.
- Protocol defines how data is communicated.
- Protocol defines why data is communicated.

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Question **24**

Not yet answered

Marked out of 3.00

Flag question

Complete the missing parts of the binary form of following IPv4 address:

IPv4 Address: 172.16.10.252

- IPv4 Address in Binary: 1010110 . 00010000 . 00001010 . 11111100
- IP Address Class: B

Next page

Quiz navigation

DECLARATION

1

MCQS

2 3 4 5 6 7 8

9 10 11 12 13 14 15

16 17 18 19 20 21 22

23

STRUCTURED

24 25 26 27 28 29 30

ESSAY

31

Online Exams

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For the given IP address find the following.

IP address: - 192.168.168.2

- Network address: 192 . 168 . 168 . 0
- Subnet mask: 255 . 255 . 255 . 0
- Broadcast address: 192 . 168 . 168 . 255
- 1st usable IP address: 192 . 168 . 168 . 1
- Last usable IP address: 192 . 168 . 168 . 254
- IP Address Class: c (Only type the Letter)

Next page

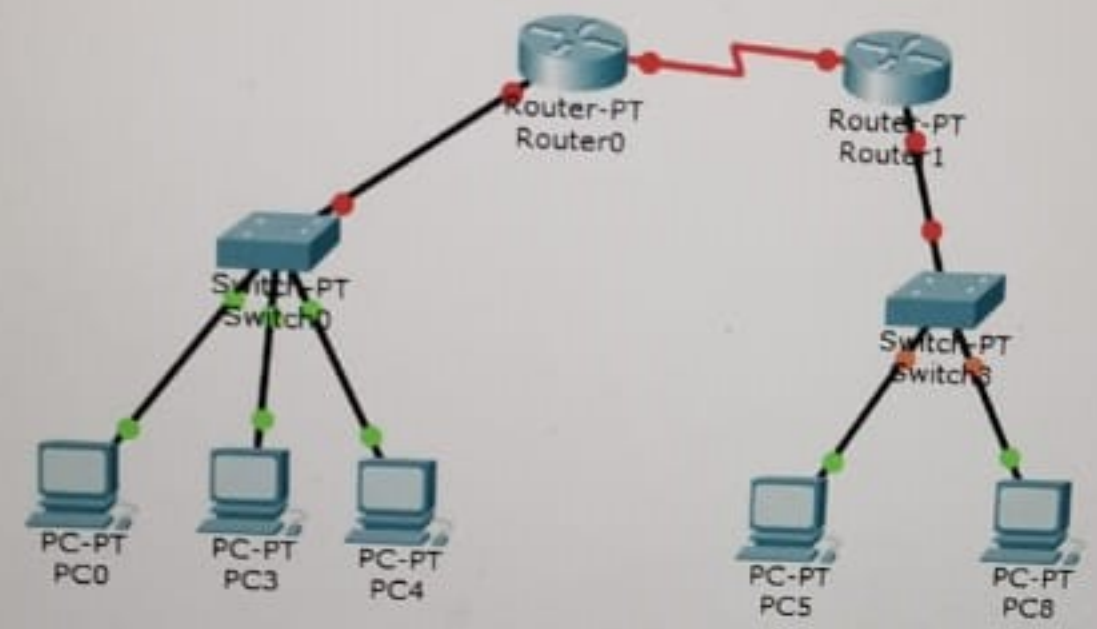
Question **17**

Not yet answered

Marked out of 1.25

Flag question

Which of the following statements describe the network shown in the graphic? (Select two)



Select one or more:

- There are total number of four collision domains in the network.
- There are total number of four broadcast domains in the network.
- There are total number of eight collision domains in the network.
- There are total number of seven collision domains in the network.
- There are total number of two broadcast domains in the network.
- There are total number of three broadcast domains in the network.

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DECLAR

1

MCQS

2 3

10 11

18 19

STRUCTURED

24 25 26

ESSAY

31

Finish attempt ...

Time left 1:25:19

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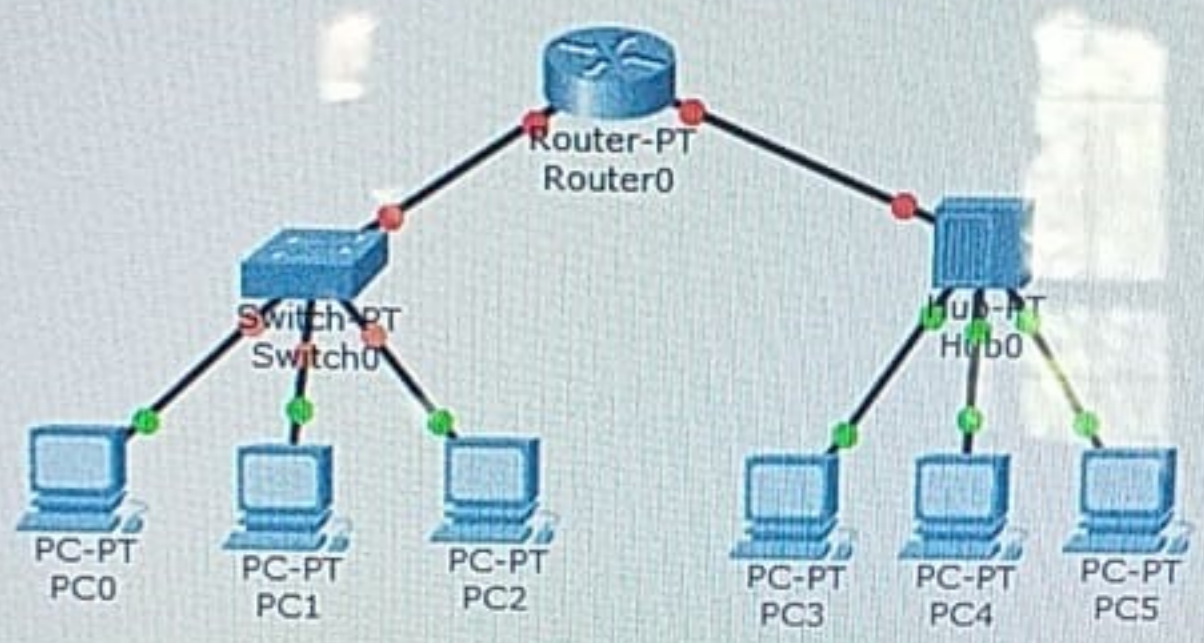
Which of the following statements describe the network shown in the graphic? (Select



Select one or more:

- [x] There are total number of two broadcast domains in the network.
- [ ] There are total number of four broadcast domains in the network.
- [ ] There are total number of five collision domains in the network.
- [x] There are total number of seven collision domains in the network.
- [ ] There are total number of four collision domains in the network.
- [ ] There are total number of six broadcast domains in the network.

Online Exams

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Select the correct statement.

Select one:

- In a private network, it is mandatory to follow Internet standards.
- A private network is a set of interconnected Intranets.
- None of the given answers are true.
- A private network is not directly connected to Internet.
- If a network is directly connected to Internet, it will become a part of Internet.

Moodle

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Question **16**

Not yet answered

Marked out of 1.00

Flag question

Match the given IPv4 Address to the correct Class

130.59.135.4	Class B
210.59.135.4	Class C
10.59.135.4	Class A
227.21.6.173	Class D

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Match the description with the appropriate ISO-OSI Layer

Translate, Encrypt & Compress Data	Presentation Layer
Allows users to access network resources	Network Layer
Provide reliable process to process message delivery	Transport Layer
Organizes bits into frames which helps hop-to-hop delivery	Data Link Layer

Online Exams

Sri Lanka Institute of Information Technology

Calculate the number of total number of storage locations available for 8 bits of information

Select one:

- a. 16
- b. 32
- c. 127
- d. 256
- e. 255

Online Exams

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What does BIU of the 8086 architecture stands for

Select one:

- a. Bug Intel Unit
- b. Bus Interface Unit
- c. Bus Interface Union
- d. Bug Interface Unit
- e. Bus Intel Unit

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What is the meaning of "Broadcasting" in Networking?

Select one:

- Addressing a packet to group of machines.
- Addressing a packet to all machines.
- Addressing a packet to a particular machine.
- Addressing a packet to all except a particular machine.
- None of the mentioned is correct.

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Select the correct logic circuit categories

Select one:

- a. Input and output
- b. Comparator circuits
- c. Combinational and sequential
- d. Multiplexer
- e. Encoder

Online Exams

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5

Flag question

Network address speed(In Mbps) of a certain device is equal 32. What is the networking speed of the device in Kilobytes/sec

Select one:

- a. 32*1000kilobytes
- b. 32*100kilobytes
- c. 32*10kilobytes
- d. 4*1000kilobytes
- e. 8*1000kilobytes

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Question 10

Not yet answered

Marked out of 1.25

Flag question

Steps of an instruction cycle is given below:

A. Instruction fetch

B. Data operation

C. Instruction operation decoding

D. Data store

E. Operand fetch

Find the correct order of execution.

Select one:

- a. A, C, B, D, E
- b. D, C, A, B, E
- c. B, A, E, C, D
- d. B, A, C, D, E
- e. A, C, E, B, D

Next page

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Select the correct elements/components that make up a network.

Select one:

- Device, Wire, Message, Rules.
- Device, Medium, Message, Protocols.
- Service, Medium, Packet, Rules.
- Device, Medium, Message, Rules.
- Service, Medium, Packet, Protocols.

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What is the BCD value of 481

Select one:

- a. 1101 0000 1
- b. 1111 0000 1
- c. 0001 1100 0001
- d. 0001 1110 0101
- e. 0001 1110 0001

Online Exams

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Which of the following is not a file extension of a compressed file

Select one:

- a. All are compressed file extensions
- b. .gz
- c. .zip
- d. .pkg
- e. .tar.gz

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estion

Match the ISO-OSI Layer to correct address type used in Network Communications.

Transport Layer	Port Address
Data Link Layer	MAC Address
Network Layer	IP Address

Question **8**

Not yet answered

Marked out of 1.00

Flag question

Match the correct port category description to port numbers.

Well-known port numbers	0 to 1023
Dynamic/Private port numbers	49152 to 65535
Registered port numbers	1024 to 49151

Online Exams

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Select the correct statements about network characteristics. (Select two)

Select one or more:

- [ ] Reliability indicates the non-dependability of the components that make up the network.
- [ ] The logical topology is the arrangement of cables, network devices, and end systems.
- [x] Availability is a measure of the probability that the network will be available for use when it is required.
- [ ] The data rate is measured by bits per second of a given link in the network.
- [ ] Scalability indicates how many nodes are currently on the network.

Next page

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Which of the following statements is correct?

Select one:

- a. A failure in Network layer crashes the application
- b. A failure in Network layer affects entire communication
- c. A failure in Network layer affects Data Link layer
- d. A failure in Network layer stops the device from working entirely
- e. A failure in Network layer affects transport layer

Which of the following statement is true regarding the given figure?

Repeater

Hub

Select one:

- a. These devices are used to build a PAN
- b. These devices are used to connect multiple networks
- c. These devices are used to build a LAN
- d. These devices cannot be used to create a network

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Which of the following statement is NOT true?

Select one:

- a. Unguided media are also known as as wireless communication
- b. Unguided media uses electromagnetic waves
- c. Unguided media signals are transmitted into air
- d. Fiber optics is an example of Unguided media
- e. Unguided media transmission requires an antenna

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Question **3**

Not yet answered

Marked out of 1.00

Flag question

Which of the following is NOT a correct statement regarding Firewalls?

Select one:

- a. Packet Filtering is a method used in Firewalls
- b. Firewall can provide 100% security to a network
- c. A firewall controls traffic and helps prevent unauthorized access
- d. A Firewall resides between two or more networks
- e. URL Filtering is a method used in Firewalls

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Question **2**

Not yet answered

Marked out of 2.00

Flag question

Lecturer wants to store the assignment1, assignment2 and final exam marks of 120 students in a class. Which of the following is/are the suitable array declaration/s to store these details.

Select one or more:

- 1. int marks[120];
- 2. int marks[120][3];
- 3. int marks[3];
- 4. int marks[3][120];
- 5. int marks[360];

Next page

Quiz navigation

1

MCQ (2 MARKS EACH)

1 2 3 4 5 6 7 8 9 10

ESSAY (5 MARKS EACH)

11 12 13 14 15 16 17 18 19 20 21 22 23 24

ESSAY (10 MARKS EACH)

25

FEEDBACK

26

```
******
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```

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Question 8

Not yet answered

Marked out of 2.00

Flag question

A machine code

Select one or more:

- 1. only understand by computers
- 2. is a binary code
- 3. written in low level language
- 4. written using highlevel language
- 5. can be easily understand by human

Question 7

Not yet answered

Marked out of 2.00

Flag question

What is the common use/s of break statement?

Select one or more:

- 1. Immediate escape from a loop
- 2. Skip from the current iteration of a loop
- 3. Terminate the program
- 4. immediate escape from switch statement
- 5. None of the above

Question **16**

Not yet answered

Marked out of 5.00

Flag question

Complete the following C program to solve the given expression. Use **Standard C math library function**.

$$C = \sqrt{a^2 + b^2 - 2ab\cos\emptyset}$$

Hint : if angle is 90 degrees, cosine will be cos (90 * 3.141592/180)

```
#include <stdio.h>
# include <math.h>
int main()
{
    float a = 3, b = 4, c;
    float angle = 90 * 3.141592/180;
    ____________________
    ____________________
    return 0;
}
```


1
MCQ (2M)
1 2
8 9
ESSAY (5M)
11 12
18 19
ESSAY (20M)
25
FEEDBACK
26

Moodle

Flag question

Assuming that the following C functions are implemented, write the main program to calculate the floor area of the above plan (excluding garden areas).

```
//calculate the area of a rectangle
float area( float length, float width)
{
        return length * width;
}
//add two numbers
float add ( float a, float b)
{
        return a + b;
}
```

MCQ (2 MARKS EACH)

1 2 3 4 5 6 7 8 9 10

ESSAY (5 MARKS EACH)

11 12 13 14 15 16 17 18 19 20 21 22 23 24

ESSAY (10 MARKS EACH)

25

FEEDBACK

26

Finish attempt ...

Time left 0:50:57

Question **12**

Not yet answered

Marked out of 5.00

Flag question

A company uses a text file called "employee.dat" to store their employee details (employee no,name,designation). When a new employee joins the company, his/her details are added to the file.

Complete the following C code to input the details of 5 employees from the keyboard and store in the employee.dat file.

A sample of existing file is given below.

```
E001 Kumara     Director
E002 Nadeeja    Manager
E003 Thushara   AGM
```

```
# include <stdio.h>
int main(void)
{
    ..............................
    ..............................
    ..............................
    return 0;
}
```

Question **14**

Not yet answered

Marked out of 5.00

Flag question

Complete the following C code to reverse the data stored in an array. (use a loop)

starting array values

2	5	8	4	9

after reverse array values

9	4	8	5	2

```
# include <stdio.h>
int main(void)
{
        int num[5] = {2, 5, 8, 4, 9};
        ..........................................
        ..........................................
        ..........................................
        return 0;
}
```

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```
                    Online C Compiler.
            Code, Compile, Run and Debug C program online.
Write your code in this editor and press "Run" button to compile and execute i

*******************************************************************************

#include <stdio.h>
#include <math.h>

int main()
{
    float a =3;
    float b= 4;
    float c;

    c = sqrt(pow(a,2) - pow(b,2) - 2* a * b * 90 * (3.141592/180));

    printf("%f", c);
    return 0;
}
```

Moodle

Question **15**

Not yet answered

Marked out of 5.00

Flag question

As student has written the following program to input unit price of an item and its quantity from the keyboard and calculate the payment amount. However, the program does not generate the required output. Identify four bugs in the following program and re-write the program without errors.

```
#include <stdio.h>
int main()
{
    double price, amount;
    int quantity;
    printf("Enter unit price of the item & the quantity : ");
    scanf("%f, %d", &price, quantity);
    amount = price * quantity;
    printf("Amount = %.2f", quantity);
    return 0;
}
```

Quiz navigation

1

MCQ (2 MARKS EACH)

1 2 3 4 5

8 9 10

ESSAY (5 MARKS EACH)

11 12 13 14 15

18 19 20 21 22

ESSAY (10 MARKS EACH)

25

FEEDBACK

26

Finish attempt ...

Time left 0:22:53

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question

What will happen when the following code segment is executed?

```
int arr1[6]= { 10, 15, 20, 25, 30, 35} ;
int arr2[6] = {0};

for (i=0; i < 6; i++)
{
    arr2[i] = arr1[5-i];
}
```

Select one or more:

- 1. arr2 values are stored in arr1 in the same order
- 2. arr1 values are stored in arr2 in reverse order
- 3. arr1 values are stored in arr2 in the same order
- 4. arr2 values are reversed and stored in arr1
- 5. arr1 values will not be changed

Question **4**

Not yet answered

Marked out of 2.00

Flag question

The C statement "if ((x == 1) || (y == 2)) {}" can be re-written as

Select one:

- 1. if (x == 1){}
  else if (y == 2){}
- 2. if ((x = 1) || (y = 2)){}
- 3. if (x == 1)
  if (y == 2){}
- 4. if (x = 1);
  if (y = 2)) {}
- 5. if (x == 1){}
  if (y == 2){}

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```
7   ***********************************************************************
8
9   #include <stdio.h>
10
11  int main()
12  {
13      for(int i = 1 ; i <= 6 ; ++i){
14          for(int x = 1 ; x <= 6; ++x){
15              printf("*");
16          }
17          printf("\n");
18      }
19
20
21
22      return 0;
23  }
24
```

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Run Debug Stop Share Sav

main.c

```c

#include <stdio.h>

int main()
{
    FILE * fPtr;

    fPtr = fopen("employee.dat", "w");
    char[4] = eid;
    char[10] = name;
    char[10] = designation;

    printf("Enter Eid: ");
    scanf("%c" &eid);

    printf("Enter name: ");
    scanf("%c" &name);

    printf("Enter designation: ");
    scanf("%c" &designation);


    fclose(fPtr);


    return 0;
}
```

```
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```

main.c

```c
/*********************************************

                                    Onlin
                    Code, Compile, Run
Write your code in this editor and

*********************************************

#include <stdio.h>

int main()
{
    int num[5] = {2,5,8,4,9};
    int num2[5];
    for(int i = 0 ; i < 5 ; ++i){
        num2[i] = num[4 - i];
    }
    for(int i = 0 ; i < 5 ; ++i){
        printf("%d", num[i]);
    }
    printf("\n");
    for(int i = 0 ; i < 5 ; ++i){
        printf("%d", num2[i]);
    }
}
```

```
25849
94852

...Program finished with exit code 0
Press ENTER to exit console.
```

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Question **10**

Not yet answered

Marked out of 2.00

Flag question

What is the value of x ?

int x = 20 / 3 + (5 - 1) * 2 - 60 % 12

Select one:

- a. 4.33
- b. 9
- c. 14.33
- d. 4
- e. 14

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www.onlinegdb.com online_c_compiler

Run Debug Stop Share Save

main.c

```c

#include <stdio.h>

int main()
{
    FILE * fPtr;

    fPtr = fopen("employee.dat", "w");
    char[4] = eid;
    char[10] = name;
    char[10] = designation;

    printf("Enter Eid: ");
    scanf("%c" ,&eid);

    printf("Enter name: ");
    scanf("%c" ,&name);

    printf("Enter designation: ");
    scanf("%c" ,&designation);


    fclose(fPtr);


    return 0;
}
```

```
******
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******
```

Question **1**

Not yet answered

Marked out of 2.00

Flag question

Select incorrect statement/s regarding "w" file opening mode.

```
FILE *ptr;
ptr = fopen("readMe.dat","w");
```

Select one:

- 1. The "readMe.dat" file will be empty
- 2. If the file doesn't exist, a new file will be created.
- 3. If the file doesn't exists, the file pointer will be always null
- 4. If the file exist, it will over write the previous content.
- 5. The content will be added to the beginning of the file

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```c

int main()
{
    float area1, area2, area3;
    float total;

    area1 = area(10, 12);
    area2 = area(2.5, 12);

    //area of kitchen
    area3 = area(3.5, 6);

    //total area
    total = add((add(area1, area2)), area3);
    printf("Total area: %.2f\n", total);

     return 0;
}
```

Question 1

Not yet answered

Not graded

Flag question

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I confirm that the work submitted for this online examination is my own work, without the use of any unpermitted aids or resources. I further declare that I have not received any assistance from an individual, a group of individuals, or an organization for the submitted work. I understand that SLIIT has no tolerance for academic dishonesty, and any form of academic dishonesty will lead to automatic failure from the module. SLIIT will take additional disciplinary actions against me, according to the Institute's approved rules and regulations.

Select one:

- I Agree
- I Do Not Agree

Next page

Online Exams

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A _____ can be used to replace Boolean Algebraic method. when simplifying a Boolean expression.

Next page

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Flag question

Select the correct elements/components that make up a network.

Select one:

- Device, Medium, Message, Protocols.
- Service, Medium, Packet, Rules.
- Device, Wire, Message, Rules.
- Service, Medium, Packet, Protocols.
- Device, Medium, Message, Rules.

Online Exams

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Optical fibers operate based on an optical phenomena kn

Select one:

- None of the mentioned is true.
- Total signal reflection.
- Total reflection.
- Total internal reflection.
- Total external reflection.

Online Exams

Sri Lanka Institute of Information Technology

Select the incorrect statement regarding data

Select one:

- a. Digitization is the process of converting analog data into digital data.
- b. Numeric, alphabetic, special, alpha-numeric are different types of character data.
- c. ASCII is an 7-bit code for 128 different characters.
- d. Data representation refers to the form in which data is stored, processed, and transmitted
- e. One-bit parity is an error correction technique used in data storing and transmission.

Sunil analyzed a real-world problem to design a combinational circuit. He derived following equations by carefully going through the line numbers of truth table.

$$f = \sum(2, 3, 6, 15)$$

$$don't_care = \sum(5, 7, 11)$$

He needs your support to simplify these equations using a Karnaugh map (K-Map). Please write down the simplified Boolean equation by using English letters A, B, C, D as variables. (write $\bar{A}B\bar{C}$ as A'BC', don't keep spaces between letters)

Answer:

Online Exams

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Which of the following is not a file extension of a compressed file

Select one:

- a. .gz
- b. .pkg
- c. .zip
- d. .tar.gz
- e. All are compressed file extensions

Moodle

Online Exams

Sri Lanka Institute of Information Technol

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Flag question

Which of the following is a primary memory

Select one:

- a. CD
- b. Floppy disk
- c. ROM
- d. SSD
- e. HDD

Question **4**

Not yet answered

Marked out of 1.00

Flag question

Match the given addresses to appropriate network addressing term.

255.255.255.0	Class C Subnet Mask
172.16.10.9	IPv4 Address
2001:db8:85a3::8a2e:370:7334	IPv6 Address
34-F3-9A-36-68-BB	MAC Address
255.0.0.0	Class A Subnet Mask

Next page

Online Exams

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Select the correct statements about network characteristics. (Select two)

Select one or more:

- [ ] Reliability indicates the non-dependability of the components that make up the network.
- [ ] The logical topology is the arrangement of cables, network devices, and end systems.
- [x] Availability is a measure of the probability that the network will be available for use when it is required.
- [ ] The data rate is measured by bits per second of a given link in the network.
- [ ] Scalability indicates how many nodes are currently on the network.

Next page

Question 3

Not yet answered

Marked out of 1.25

Flag question

Calculate the number of total number of storage locations available for 8 bits of information

Select one:

- a. 256
- b. 127
- c. 255
- d. 16
- e. 32

Question **5**

Not yet answered

Marked out of 1.25

Flag question

what stores the date and time in a computer

Select one:

- a. Register
- b. ROM
- c. RAM
- d. CMOS
- e. Cache memory

Question 7

Not yet answered

Marked out of 1.00

Flag question

Select the correct statement.

Select one:

- A private network is not directly connected to Internet.
- In a private network, it is mandatory to follow Internet standards.
- A private network is a set of interconnected Intranets.
- None of the given answers are true.
- If a network is directly connected to Internet, it will become a part of Internet.

What is the correct decimal representation of the following IPv4 address?

11000000.10101000.00001010.00001011

Select one:

- a. 172.11.10.11
- b. 192.168.10.1
- c. 192.128.0.11
- d. 192.148.0.11
- e. 192.168.10.11

Next pa

Question **8**

Not yet answered

Marked out of 1.00

Flag question

Match the correct port category description to port numbers.

Well-known port numbers	0 to 1023
Dynamic/Private port numbers	49152 to 65535
Registered port numbers	1024 to 49151

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Match the correct port category description to port numbers.

Well-known port numbers	1024 to 49151
Dynamic/Private port numbers	49152 to 65535
Registered port numbers	1024 to 49151

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What does ENIAC stand for

Select one:

- a. None of the above
- b. Electrical Numerical Integrator And Converter
- c. Electrical Number Integrator And Calculator
- d. Electronic Number Invertor And Calculator
- e. Electronic Numerical Integrator And Calculator

Online Exams

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What is the correct statement about a Broadcast Domain?

Select one:

- A collection of two or more computers in which, when one sender sends a message, it is r
- None of the mentioned is true.
- A collection of two or more computers in which, when one sender sends a message, it is re
- A collection of two or more computers in which, when one sender sends a message, it is re
- A collection of two or more computers in which, when one sender sends a message, it is re

Network address speed(In Mbps) of a certain device is equal 32. What is the networking speed of the device in Kilobytes/sec

Select one:

- a. 8*1000kilobytes
- b. 32*1000kilobytes
- c. 32*100kilobytes
- d. 4*1000kilobytes
- e. 32*10kilobytes

Next page

Online Exams

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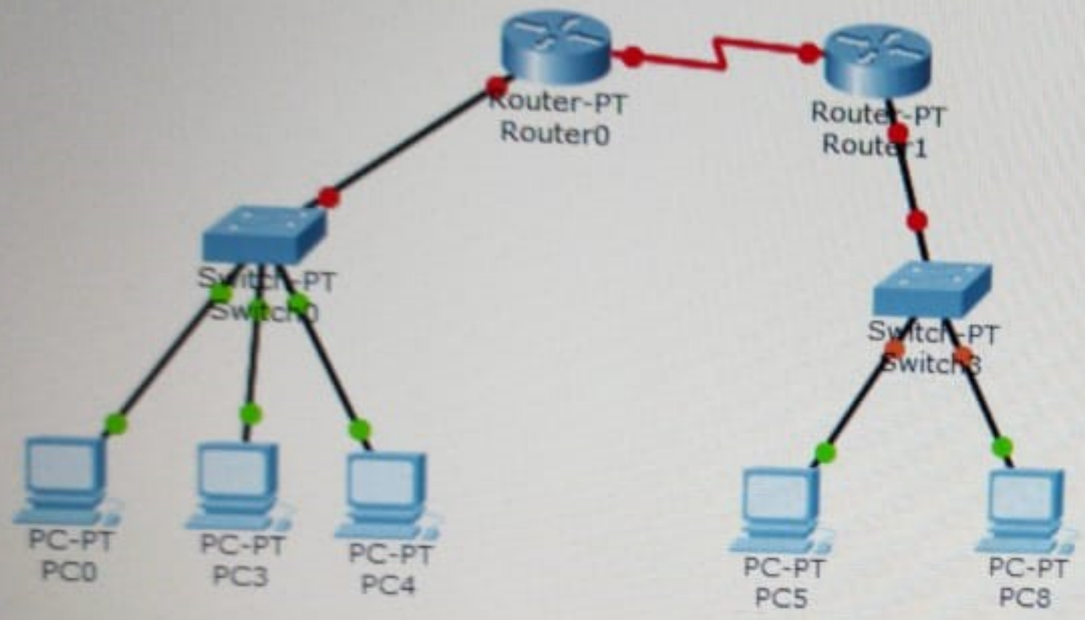
Select the correct statements about Dial up connection. (Select two)

Select one or more:

- [ ] Digital service.
- [ ] Each service is billed separately.
- [x] Provides low speed.
- [x] Doesn't provide a continuous connection. Need to dial up to connect.
- [ ] Has a fixed monthly rental.

Which of the following statements describe the network shown in the graphic? (Select two)



Select one or more:

- [ ] There are total number of four collision domains in the network.
- [ ] There are total number of four broadcast domains in the network.
- [x] There are total number of three broadcast domains in the network.
- [ ] There are total number of two broadcast domains in the network.
- [ ] There are total number of seven collision domains in the network.
- [x] There are total number of eight collision domains in the network.

Quiz navig

DECLARATION

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Finish attempt ...

Time left 1:53:40

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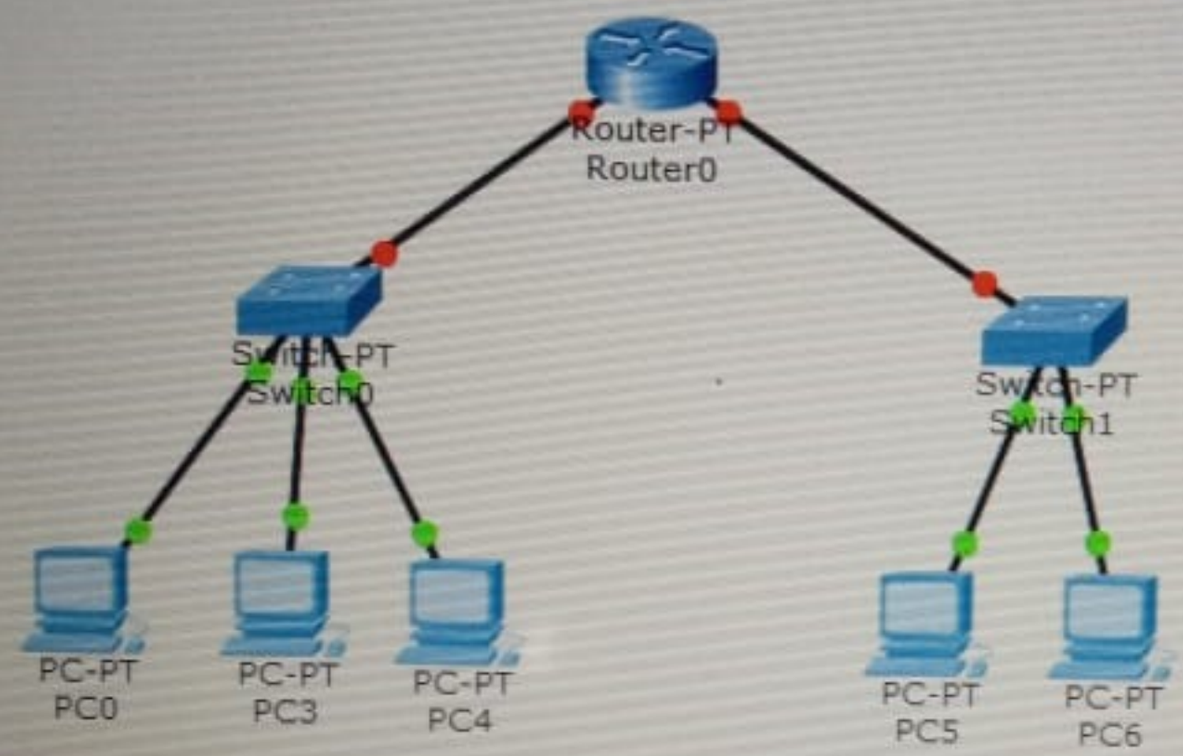
Which of the following statements describe the network shown in the graphic? (Select two)



Select one or more:

- There are total number of seven collision domains in the network.
- There are total number of six broadcast domains in the network.
- There are total number of four broadcast domains in the network.
- There are total number of two broadcast domains in the network.
- There are total number of four collision domains in the network.
- There are total number of five collision domains in the network.

Question 7

Not yet answered

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Flag question

What is the correct statement about a Broadcast Domain?

Select one:

- A collection of two or more computers in which, when one sender sends a message, it is received by a group of computers in the same domain.
- A collection of two or more computers in which, when one sender sends a message, it is received by one receiver in the same domain.
- None of the mentioned is true.
- A collection of two or more computers in which, when one sender sends a message, it is received by all the others in the same domain.
- A collection of two or more computers in which, when one sender sends a message, it is received by all the others in a different domains.

Moodle

Online Exams

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Flag question

Match the correct Security Term to given Courseweb scenarios.

Lecturers are allowed to delete files in Courseweb but Students Can only view the file. Choose...

Using a username and password to login to Courseweb Choose...

A log file keeps a record on what time a student submitted a file to Courseweb. Choose...

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stion

Select the incorrect statement regarding data

Select one:

- a. One-bit parity is an error correction technique used in data storing and transmission.
- b. Numeric, alphabetic, special, alpha-numeric are different types of character data.
- c. Digitization is the process of converting analog data into digital data.
- d. ASCII is an 7-bit code for 128 different characters.
- e. Data representation refers to the form in which data is stored, processed, and transmitted

Next page

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on

Select the correct logic circuit categories

Select one:

- a. Input and output
- b. Comparator circuits
- c. Combinational and sequential
- d. Multiplexer
- e. Encoder

Online Exams

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What is the process done by the program called POST which is run by the computer's basic input/output system

Select one:

- a. Check all the hardware and confirm that all are functioning properly
- b. Activating the bootsrap program
- c. Displaying the initial text formation which is displayed on the screen
- d. Diplaying the user interface after the control of the computer is taken by the operating system
- e. Starting executions after the Operating system is loaded

SHOT ON REDMI 9
AI QUAD CAMERA

Online Exams

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Which of the following is not a file extension of a compressed file

Select one:

- a. All are compressed file extensions
- b. .gz
- c. .zip
- d. .pkg
- e. .tar.gz

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n 6

et answered

ked out of

5

Flag question

Network address speed(In Mbps) of a certain device is equal 32. What is the networking speed of the device in Kilobytes/sec

Select one:

- a. 32*1000kilobytes
- b. 32*100kilobytes
- c. 32*10kilobytes
- d. 4*1000kilobytes
- e. 8*1000kilobytes

The instruction currently being executed is stored in

Select one:

- a. Instruction register
- b. Program counter
- c. Data register
- d. Accumulator
- e. Instruction pointer

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Online Exams

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g question

The only program always runs in the computer is

Select one:

- a. Kernal
- b. Word editor
- c. Database systems
- d. Graphic program
- e. Web browsers

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ion

An unauthorized user is a network _____ issue.

Select one:

- quality of service
- reliability
- security
- scalability
- availability

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Question 8

Not yet answered

Marked out of 1.00

Flag question

Which of the following are NOT real time application scenarios? (Select Two)

Select one or more:

- [x] a. Downloading an email attachment from an Email App
- [ ] b. Facebook live video
- [ ] c. What's App Call
- [x] d. Downloading a movie using a file sharing application
- [ ] e. Skype Video Conference
- [ ] f. Zoom live webinar

Next page

Question **3**

Not yet answered

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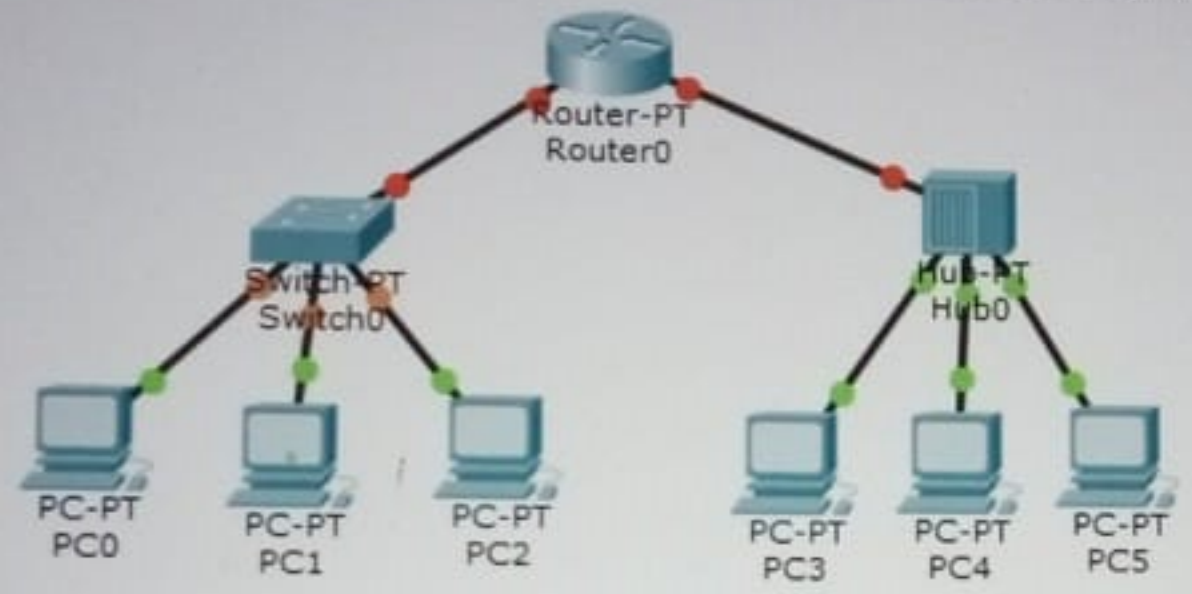
Flag question

Which of the following statements describe the network shown in the graphic? (Select two)



Select one or more:

- [ ] There are total number of two broadcast domains in the network.
- [ ] There are total number of five collision domains in the network.
- [ ] There are total number of six broadcast domains in the network.
- [ ] There are total number of four broadcast domains in the network.
- [ ] There are total number of seven collision domains in the network.
- [ ] There are total number of four collision domains in the network.

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Inputs and outputs can be defined as the main components of a computer. Select the response only with input devices from the following answers

Select one:

- a. Keyboard, Pen-drive, Scanner, Bar code reader
- b. Keyboard, Webcam, Pen-drive, Scanner
- c. Keyboard, Optical pen, CD, Scanner
- d. Keyboard, Optical pen, Scanner, Bar code reader
- e. Keyboard, CD, Optical pen, Bar code reader

Next page

Find the correct statement about sequential circuits

Select one:

- a. 3-to-8 line decoder can be constructed using 2, 2-to-4 line decoders
- b. PLA provides a quick and easy way to implement Boolean functions
- c. Full adder circuit can be made from 2 half-adder circuits
- d. Has a memory to keep past output information to calculate current output
- e. The simplest comparator circuit is an exclusive NOR gate

Moodle

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Question 10

Not yet answered

Marked out of 1.25

Flag question

Steps of an instruction cycle is given below:

A. Instruction fetch

B. Data operation

C. Instruction operation decoding

D. Data store

E. Operand fetch

Find the correct order of execution.

Select one:

- a. A, C, B, D, E
- b. D, C, A, B, E
- c. B, A, E, C, D
- d. B, A, C, D, E
- e. A, C, E, B, D

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Not yet answered

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Flag question

An unauthorized user is a network _____ issue.

Select one:

- security
- reliability
- scalability
- quality of service
- availability

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et answered
ed out of
ag question

Which of the following are NOT real time application scenarios? (Select Two)

Select one or more:

- [ ] a. Facebook live video
- [x] b. Downloading an email attachment from an Email App
- [ ] c. Skype Video Conference
- [ ] d. What's App Call
- [x] e. Downloading a movie using a file sharing application
- [ ] f. Zoom live webinar

Online Exams

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Select the incorrect statement

Select one:

- a. Compiler workload is low in RISC based machines
- b. SPARC and Power PC are desktop computers that use RISC processo
- c. In RISC processors, more emphasis is given to software
- d. In CISC, more transistors are used for storing complex instructions
- e. RISC normally has low cycles per second, large code sizes

tion 8

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Flag question

What is the BCD value of 481

Select one:

- a. 1111 0000 1
- b. 0001 1110 0101
- c. 0001 1110 0001
- d. 0001 1100 0001
- e. 1101 0000 1

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Question 9

Not yet answered

Marked out of 1.25

Flag question

Inputs and outputs can be defined as the main components of a computer. Select the response only with input devices from the following answers

Select one:

- a. Keyboard, Pen-drive, Scanner, Bar code reader
- b. Keyboard, CD, Optical pen, Bar code reader
- c. Keyboard, Optical pen, CD, Scanner
- d. Keyboard, Optical pen, Scanner, Bar code reader
- e. Keyboard, Webcam, Pen-drive, Scanner

Next page

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Match the description with the appropriate ISO-OSI Layer

Provide reliable process to process message delivery	Transport Layer
Translate, Encrypt & Compress Data	Presentation Layer
Organizes bits into frames which helps hop-to-hop delivery	Data Link Layer
Allows users to access network resources	Application Layer

Online Exams

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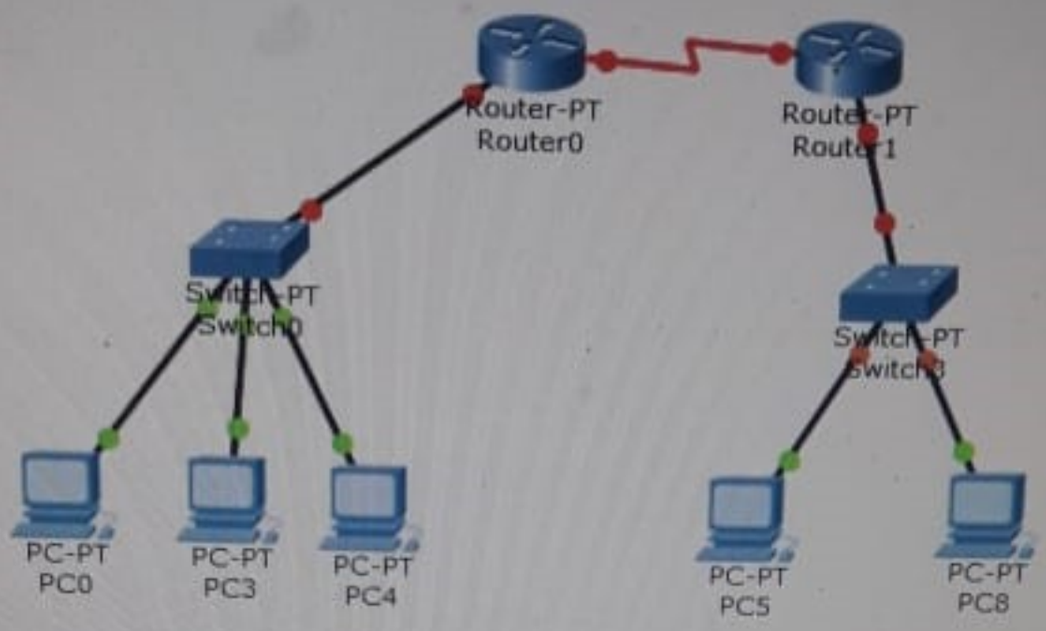
What is the meaning of "Broadcasting" in Networking?

Select one:

- Addressing a packet to group of machines.
- Addressing a packet to all machines.
- Addressing a packet to a particular machine.
- Addressing a packet to all except a particular machine.
- None of the mentioned is correct.

Which of the following statements describe the network shown in the graphic? (Select



Select one or more:

- There are total number of three broadcast domains in the network.
- There are total number of seven collision domains in the network.
- There are total number of two broadcast domains in the network.
- There are total number of four collision domains in the network.
- There are total number of eight collision domains in the network.
- There are total number of four broadcast domains in the network.

The CPU is engaged in executing a certain program. let it be program1. While it is getting executed, another program (program 2) needs to be executed.Where does that program is stored just before sending an interrupt request by the device controller?

Select one:

- a. Hard disk
- b. Main memory
- c. Cache memory
- d. Registers
- e. Local buffers

Next page

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Select the incorrect statement regarding data

Select one:

- a. Data representation refers to the form in which data is stored, processed, ar
- b. ASCII is an 7-bit code for 128 different characters.
- c. One-bit parity is an error correction technique used in data storing and trans
- d. Digitization is the process of converting analog data into digital data.
- e. Numeric, alphabetic, special, alpha-numeric are different types of character d

Devices on one network can communicate with devices on another network via, (Select two)

Select one or more:

- [ ] Multiplexer
- [ ] Hub
- [ ] Gateway
- [ ] Printer
- [ ] Router

Online Exams

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Development of software for computers was started in

Select one:

- a. 2nd Generation
- b. 5th Generation
- c. 4th Generation
- d. 3rd Generation
- e. 1st Generation

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Which of the following statements is correct?

Select one:

- a. A failure in Network layer affects entire communication
- b. A failure in Network layer affects transport layer
- c. A failure in Network layer crashes the application
- d. A failure in Network layer stops the device from working entirely
- e. A failure in Network layer affects Data Link layer

Online Exams

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What is the correct decimal representation of the following IPv4 address?

11000000.10101000.00001010.00001011

Select one:

- a. 192.148.0.11
- b. 172.11.10.11
- c. 192.168.10.11
- d. 192.128.0.11
- e. 192.168.10.1

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Inputs and outputs can be defined as the main components of a computer. Select the response only with input devices from the following answers

Select one:

- a. Keyboard, CD, Optical pen, Bar code reader
- b. Keyboard, Optical pen, CD, Scanner
- c. Keyboard, Webcam, Pen-drive, Scanner
- d. Keyboard, Optical pen, Scanner, Bar code reader
- e. Keyboard, Pen-drive, Scanner, Bar code reader

Select the incorrect statement regarding the Dynamic RAM

Select one:

- a. Simpler construction, smaller per bit
- b. Slower than static memory
- c. Bits stored as charges in capacitors
- d. No refreshing needed when powered
- e. Less expensive

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Calculate the number of total number of storage locations available for 8 bits of information

Select one:

- a. 16
- b. 32
- c. 127
- d. 256
- e. 255

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Question **12**

Not yet answered

Marked out of 1.00

Flag question

Match the correct port category description to port numbers.

Dynamic/Private port numbers	Choose...
Registered port numbers	Choose...
Well-known port numbers	Choose...

- Choose...
- 1024 to 49151
- 0 to 1023
- 0 to 65535
- 49152 to 65535

Select the statement which is not true.

Select one:

- The internet is defined as a global mesh of interconnected networks.
- The internet architecture standards are defined by Internet Architecture Board.
- The internet is a public network.
- The protocols related to the Internet is defined by IETF and IRTF
- The internet is owned by Internet Society (ISOC).

Select the correct logic circuit categories

Select one:

- a. Multiplexer
- b. Input and output
- c. Combinational and sequential
- d. Encoder
- e. Comparator circuits

Select the correct statements about network characteristics. (Select two)

Select one or more:

- [ ] Availability is a measure of the probability that the network will be available for use when it is required.
- [ ] Reliability indicates the non-dependability of the components that make up the network.
- [ ] The data rate is measured by bits per second of a given link in the network.
- [ ] The logical topology is the arrangement of cables, network devices, and end systems.
- [ ] Scalability indicates how many nodes are currently on the network.

Next pa

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Select the incorrect statement regarding the Dynamic RAM

Select one:

- a. Less expensive
- b. Simpler construction, smaller per bit
- c. Bits stored as charges in capacitors
- d. Slower than static memory
- e. No refreshing needed when powered

Select the correct elements/components that make up a network.

Select one:

- Service, Medium, Packet, Protocols.
- Device, Medium, Message, Protocols.
- Device, Medium, Message, Rules.
- Device, Wire, Message, Rules.
- Service, Medium, Packet, Rules.

A television broadcast is an example of _____ transmission

Select one:

- Full duplex
- Simplex
- Automatic
- Half duplex
- None of the given answers are correct.

Sri Lanka Institute of Information Technology

Match the correct Security Term to given Courseweb scenarios.

A log file keeps a record on what time a student submitted a file to Courseweb.	Accounting
Using a username and password to login to Courseweb	Authentication
Lecturers are allowed to delete files in Courseweb but Students Can only view the file.	Authorization

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Which of the following statement is true?

Select one:

- a. Both IP and MAC addresses are virtual addresses
- b. MAC Address is logical address
- c. IP Address is a physical Address and MAC Address is a logical Address
- d. IP Address is a physical Address
- e. IP Address is a logical Address and MAC Address is a physical Address

Sunil analyzed a real-world problem to design a combinational circuit. He derived following equations by carefully going through the line numbers of truth table.

$$f = \sum(9, 12, 14, 15)$$

$$don't_care = \sum(4, 11, 13)$$

He needs your support to simplify these equations using a Karnaugh map (K-Map). Please write down the simplified Boolean equation by using English letters A, B, C, D as variables. (write $\bar{A}B\bar{C}$ as A'BC', don't keep spaces between letters)

Answer:

Finish attempt ...

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Online Exams

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Question **16**

Not yet answered

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Flag question

Match the given IPv4 Address to the correct Class

130.59.135.4	Class B
210.59.135.4	Class C
10.59.135.4	Class A
227.21.6.173	Class D

d a real-world problem to design a combinational circuit. He
y carefully going through the line numbers of truth table.

$$f = \sum(1,5,9,15)$$

$$don't_care = \sum(3,11,13)$$

eeds your support to simplify these equations using a Karnaug
wn the simplified Boolean equation by using English letters
$B\bar{C}$ as A'BC', don't keep spaces between letters)

nswer: C'D+AD

Online Exams

Sri Lanka Institute of Information Technology

An operating system is _____ driven.

31

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g question

Sunil analyzed a real-world problem to design a combinational circuit. He derived fo equations by carefully going through the line numbers of truth table.

$$f = \sum(2, 3, 6, 15)$$

$$don't_care = \sum(5, 7, 11)$$

He needs your support to simplify these equations using a Karnaugh map (K-Map). Please w down the simplified Boolean equation by using English letters A, B, C, D as variables. (wr $\bar{A}B\bar{C}$ as A'BC', don't keep spaces between letters)

Answer: A'C+CD

Online Exams

Sri Lanka Institute of Information Technology

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In the instruction ADD AX, 20H, the answer gets stored in

stion **28**

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For the given IP address find the following.

IP address: - 192.168.168.2

- Network address: 192 . 168 . 168 . 0
- Subnet mask: 255 . 255 . 255 . 0
- Broadcast address: 192 . 168 . 168 . 255
- 1st usable IP address: 192 . 168 . 168 . 1
- Last usable IP address: 192 . 168 . 168 . 254
- IP Address Class: C (Only type the Letter)

Online Exams

Sri Lanka Institute of Information Technology

Change the following IP address from binary notation to dotted decimal and find the IPv4 Address Class.

Binary Form = 11000000 10101001 00001010 11001011

- IPv4 Address in Decimal: _____ . _____ . _____ . _____
- IP Address Class: _____

Online Exams

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stion 22
yet answered
ked out of
Flag question

An attacker trying to manipulate individuals into performing actions or divulging confidential information is known as Social Engineering.

Select one:

- True
- False

Next pag

Online Exams

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ag question

What is the BCD value of 481

Select one:

- a. 0001 1110 0101
- b. 0001 1110 0001
- c. 0001 1100 0001
- d. 1101 0000 1
- e. 1111 0000 1

estion 30

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Flag question

Complete the missing parts of the binary form of following IPv4 address:

IPv4 Address: 198.168.10.1

- IPv4 Address in Binary: 11000110 . 10101000 . 00001010 . 00000001
- How Many Hosts Can be Connected this Network:

Next page

ion 21

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lag question

A television broadcast is an example of _____ transmission

Select one:

- None of the given answers are correct.
- Simplex
- Half duplex
- Full duplex
- Automatic

Question 1 Answered
Marked out of 1.00
Flag Question

In the instruction ADD AX, 20H, the answer gets stored in

Online Exams

Sri Lanka Institute of Information Technology

tion 21

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Flag question

Select the statement which is not true.

Select one:

- The internet is defined as a global mesh of interconnected networks.
- The internet is owned by Internet Society (ISOC).
- The internet is a public network.
- The internet architecture standards are defined by Internet Architecture Board.
- The protocols related to the Internet is defined by IETF and IRTF

Next page

Question **20**

Not yet answered

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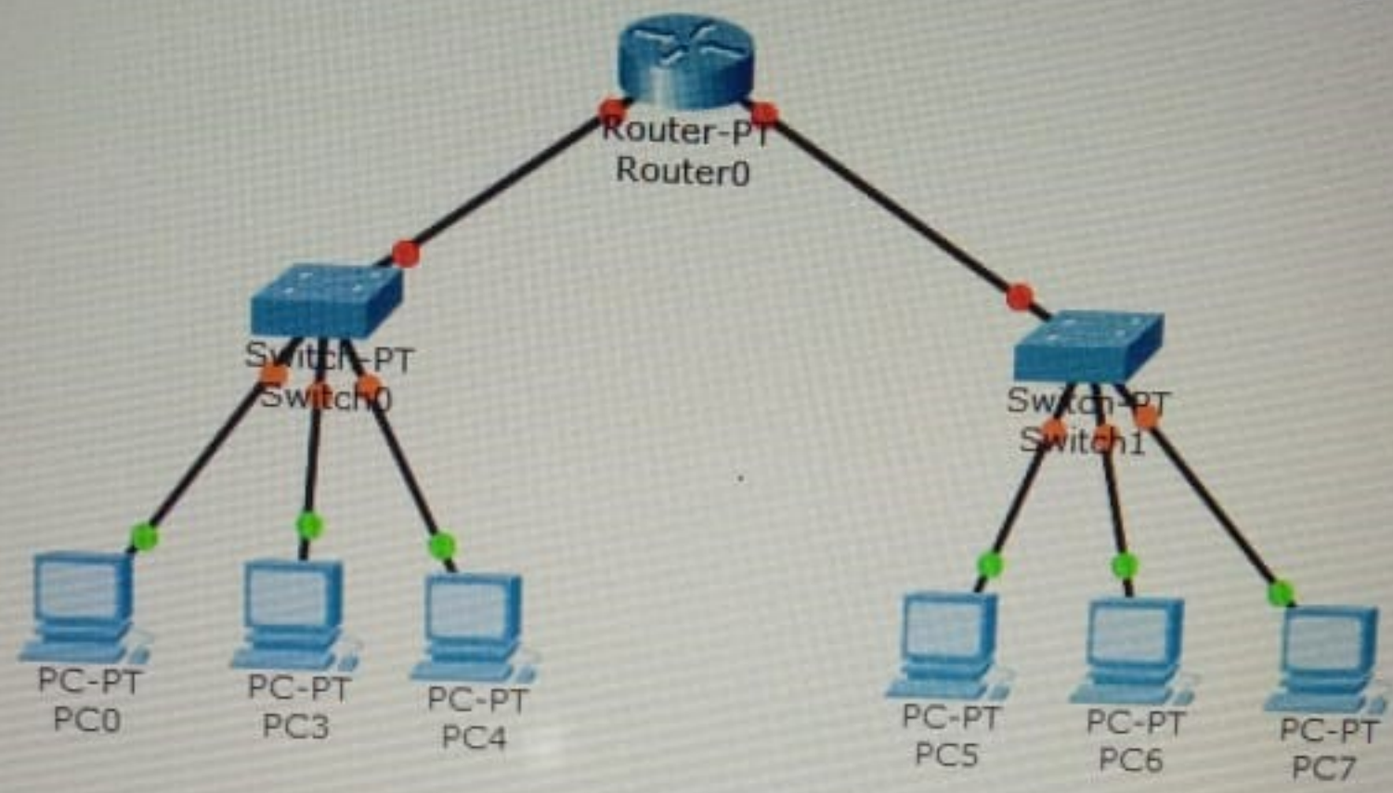
Flag question

Which of the following statements describe the network shown in the graphic? (Select two)



Select one or more:

- There are total number of eight collision domains in the network.
- There are total number of two broadcast domains in the network.
- There are total number of six broadcast domains in the network.
- There are total number of seven collision domains in the network.
- There are total number of four broadcast domains in the network.
- There are total number of four collision domains in the network.

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An attacker trying to manipulate individuals into performing actions or divulging confidential information is known as Social Engineering.

Select one:

- True
- False

Next page

Online Exams

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Change the following IP address from binary notation to dotted decimal and find

Binary Form = 11000000 10101011 00001011 11001010

- IPv4 Address in Decimal: [ ] . [ ] . [ ] . [ ]
- IP Address Class: [ ]

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Each device controller has a _____ to store data temporarily until they sent to CPU or Memory.

Next pag

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Change the following IP address from binary notation to dotted decimal and find the IPv4 Address c

Binary Form = 01100111 11100011 11001010 00010011

- IPv4 Address in Decimal: 103 . 227 . 202 . 19
- IP Address Class: A

n 9
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d out of
g question

Which of the following statements are true? (select two).

Select one or more:

- [ ] Multi-point connection is always build using a wireless media.
- [ ] A multipoint connection is a connection established between more than two devices.
- [ ] Point-to-Point connection provides a dedicated link between the two devices.
- [ ] Point to point connection is always build using a copper cable.
- [ ] Point to point connection is always build using a wireless media.

n 20
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d out of
g question

Select the correct statement.

Select one:

- A private network is not directly connected to Internet.
- In a private network, it is mandatory to follow Internet standards.
- None of the given answers are true.
- If a network is directly connected to Internet, it will become a part of Internet.
- A private network is a set of interconnected Intranets.

20
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Select the incorrect statement regarding data

Select one:

- a. Numeric, alphabetic, special, alpha-numeric are different types of character data.
- b. Data representation refers to the form in which data is stored, processed, and transmitted
- c. One-bit parity is an error correction technique used in data storing and transmission.
- d. ASCII is an 7-bit code for 128 different characters.
- e. Digitization is the process of converting analog data into digital data.

Question 18
Not yet answered
Marked out of 1.25
Flag question

What is the service that usually an OS doesn't execute

Select one:

- a. File system management
- b. Storage management
- c. Firmware management
- d. Process management
- e. Security management

RISC has instructions that can be executed within _____ cycle.

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A _____ can be used to replace Boolean Algebraic method, when simplifying a Boolean expression.

Next page

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Select the incorrect statement regarding data

Select one:

- a. ASCII is an 7-bit code for 128 different characters.
- b. Numeric, alphabetic, special, alpha-numeric are different types of character data.
- c. Digitization is the process of converting analog data into digital data.
- d. Data representation refers to the form in which data is stored, processed, and transmitted
- e. One-bit parity is an error correction technique used in data storing and transmission.

ASUS VivoBook

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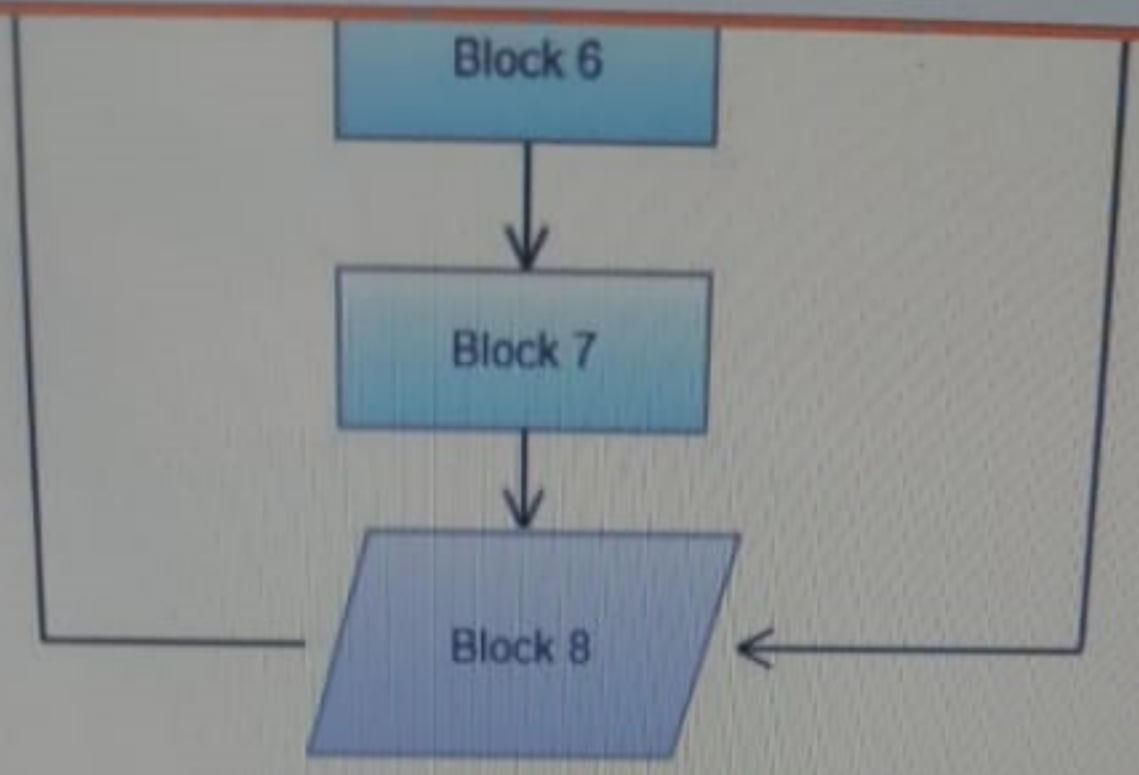
How many unique networks can be created in Class A?

Answer: 126



Block 1 -

Block 2 -

Block 3 -

Block 4 -

Block 5 -

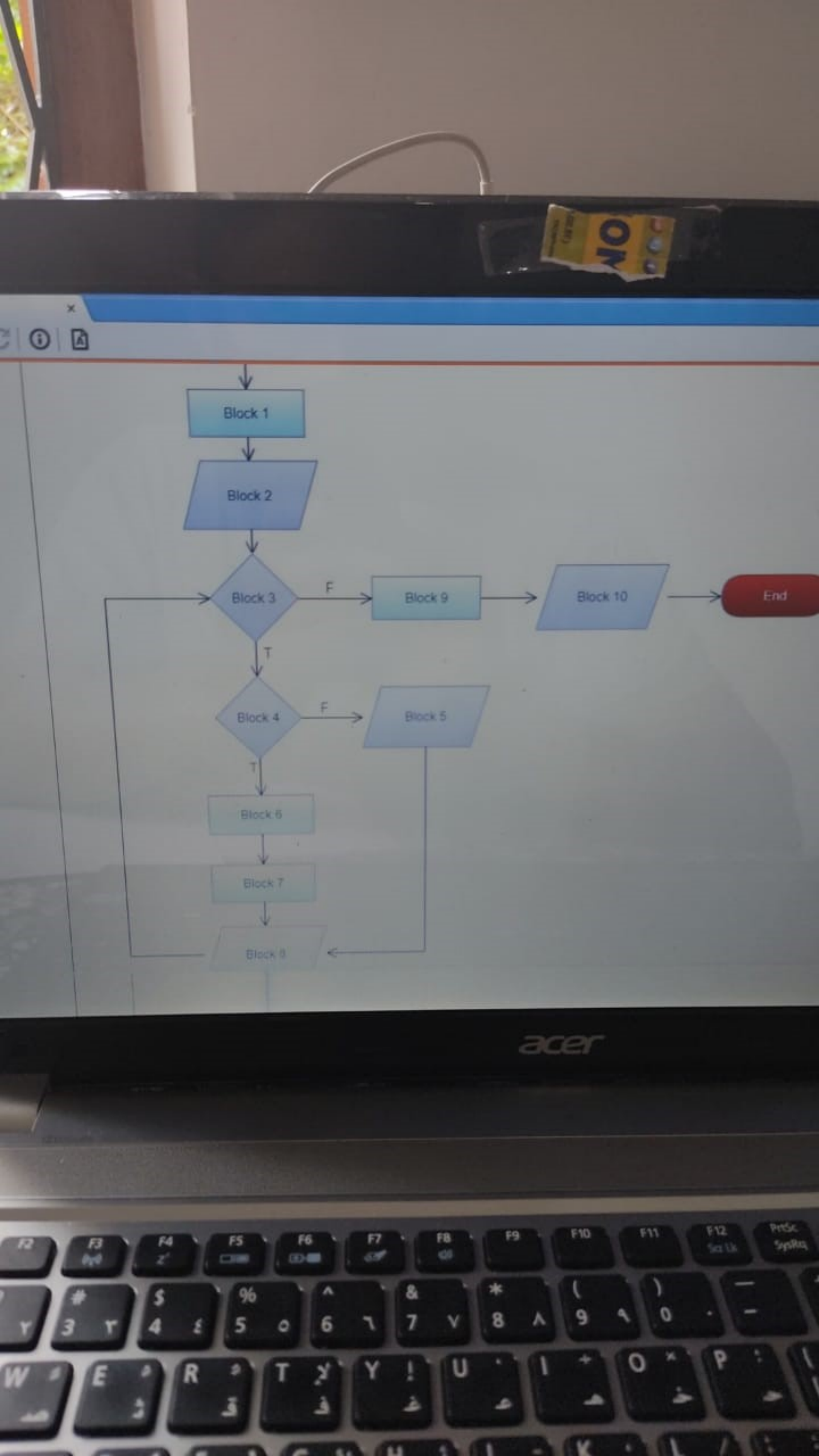
Block 6 -

Block 7 -

Block 8 -

Block 9 -

Block 10 -


Block 1
Block 2
Block 3
F
Block 9
Block 10
End
T
Block 4
F
Block 5
T
Block 6
Block 7
Block 8
acer

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"Height.dat" file is used to store the heights of the students in a class. Complete the following C program to find the following details about the students in the class.

1. Number of students in the class
2. Average height of the students
3. Assuming the expected height of a student in that age is 150 cm, count and display the number of students with 150cm, above 150 cm, below 150 cm

(10 marks)

```
int main(void)
{
    ......................
    ......................
    ......................
}
```

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d Examinations Lockdown Browser

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Complete the following C program to calculate and print the sum of the following series.
500 + 250 + 125 + 62 + 31 + 15 + ...+ 0

(5 marks)

```
# include <stdio.h>
int main(void)
{
.......................
.......................
.......................
}
```

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A student who is following Introduction to Programming module has implemented two C programs to maintain a phone directory.

Program 1 - Create and store details (name and phone number) of his friends in a text file called "directory.dat"

Program 2- Search and display a phone number when the name is entered from keyboard.

Select the C library function/s that may be useful to implement the **Program 1**

Select one or more:

- 1. fprintf( )
- 2. fopen( )
- 3. fclose( )
- 4. feof( )
- 5. fscanf( )

Next page

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Consider the following function.

```
float calTime( float speed, int distance)
{
        if ( speed > 0.0)
                return ( distance/speed);
        else
                printf("Speed is not greater than 0!");
        return 0.0;
}
```

Select the correct assert statement/s to test the above function.

Select one or more:

- 1. assert(calTimes(0, 120) == "Speed is not greater than 0!");
- 2. assert(fabs(calTimes(40, 120) - 3) < 0.001);
- 3. assert(calTimes(60, 120));
- 4. assert(fabs(calTimes(40, 120) - 3) == 0.001);
- 5. assert(fabs(calTimes(0, 120) - 0.0) == 0);

Online Exams

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Consider the following code segment and select correct statement/s.

```
switch(x)
{
    case 1:
      printf("One");
    case 2:
      printf("Two");
      break;
    default:
      printf("Three");
}
```

Select one or more:

- 1. If x = 2, the output will be Two.
- 2. If x = 1, the output will be OneTwoThree.
- 3. If x = 1, the output will be OneTwo.
- 4. If x = 3, the output will be Three.
- 5. If x = 2, the output will be TwoThree.

Online Exams

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Select the correct statement/s about the variables

Select one or more:

- [ ] 1. A variable must used by at least single program statement
- [ ] 2. A variable should declared before using it
- [ ] 3. A variable can be declared at any part of the program
- [ ] 4. A variable should be always initialized
- [ ] 5. A value of a variable can change during program execution

Online Exams

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What is the output of following code segment?

```
int a = 1, b = 1;
a % 2 == 0 ? a++, b-- : a--, b++;
printf("%d %d", a, b);
```

Select one:

- 1. 1 0
- 2. 0 2
- 3. 2 0
- 4. 1 1
- 5. 0 0

Identify the lines with syntax errors and bugs in the following C program which calculates the value

$d = vt + 1/2at^2$

```
# include <stdio.h>

int main(void)
{
    int d, v, t, a;


    printf("Please enter a value for velocity (v) ");
    scanf("%f",&v);
    printf("Please enter a value for time (t)" );
    scanf("%f",&t);
    printf("Please enter a value for accelaration(a)");
    scanf("%f", a);


    d = v*t + 1/2*a*t*t;

    /* write output */

    printf("\n The diaplacement (d) is: %f\n ", d);
}
```

Select one or more:

- 1. scanf("%f", a);
- 2. d = v*t + 1/2*a*t*t;
- 3. int d, v, t, a;
- 4. scanf("%f",&v);
- 5. scanf("%f",&t);

Consider the following code segment and select correct statement/s.

```
int main(void)
{
    int answer, a = 5;
    answer = calSum();
    printf("%d", a);
    return 0;
}
int calSum(int a)
{
    int b = 3;
    a = 6;
    return a + b;
}
```

Select one or more:

- 1. The value of 'a' is printed as 5.
- 2. The variable 'b' is a local variable of main function.
- 3. calSum() function will return 8.
- 4. The variable 'b' is a local variable of calSum() function.
- 5. The value of 'a' is printed as 6.

Online Exams

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Which of the following is/are not considered as repetition control structures in C?

Select one or more:

- [ ] 1. while
- [ ] 2. repeat until
- [ ] 3. do while
- [ ] 4. for
- [ ] 5. switch

Online Exams

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What will be the output of following code segment if user enter 3 as number?
(ASCII values of 'A', 'B', 'C', 'D' are 65, 66, 67, 68)

```
int number;
char letter = 'A';
printf("Enter number: ");
scanf("%d", &number);
letter += 2;
number -= 2;
printf("%c ", letter + number);
```

Select one:

- 1. D
- 2. 65
- 3. 68
- 4. B
- 5. A

Online Exams

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If a break statement is not used in a switch command

Select one:

- 1. It will continue doing all statements after condition is matched
- 2. There is no visible difference using the break statement
- 3. Will move to the default statement
- 4. Will give a compile error
- 5. None of the above

Online Exams

Sri Lanka Institute of Information Technology

What will be the output of following code segment if user enters "Computer Science Module" ?

```
char str[50];
printf("Enter : ");
scanf("%5s", str);
printf("%s\n" , str);
```

Select one:

- 1. Modul
- 2. Comput
- 3. Computer Science Module
- 4. Compu
- 5. Computer

What will be the output of following code segment.

```
int i,j;
for(i = 1; i <= 5 ; i++)
{
    for(j = 1; j <= 2; j++)
    {
        printf("*");
        j++;
    }
    printf("\n");
}
```

Select one:

1.

```
*****
*****
```

2.

```
*
*
***
****
```

Online Exams

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Consider the following function.

```
void min ( int a , int b)
{
    if ( a < b)
        printf("%d", a);
    else
        printf("%d", b);
}
```

Which of the following coding will make use of the above min function to print the minimum value of two numbers.

Select one:

- 1. void min(10, 20);
- 2. min(10, 20);
- 3. int k = min(10,20);
  printf("%d", k);
- 4. printf("%d", min(10, 20));
- 5. printf("%d", k = min(10, 20));

```
int numbers[5] = {1, 2, 3, 4, 5};
numbers[2] += 2;
numbers[3] = numbers[1];
numbers[4] = 2 * numbers[3];
```

if array elements are displayed in the stored order after executing above C statements, what will be the output?

Select one:

- 1.32615
- 2.14125
- 3.12524
- 4.14382
- 5.14384

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Online Exams

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If the variable called 'number' is not equal to 5, the message "Hello" needs to be printed.
Select correct condition/s to fulfill above task.

Select one or more:

- [ ] 1. number == 5
- [ ] 2. number < 5 || number > 5
- [ ] 3. number != 5
- [ ] 4. 5 != number
- [ ] 5. number < 5 && number > 5

Online Exams

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A compiler/interpreter converts the source code into

Select one or more:

- 1. machine code
- 2. object code
- 3. assembly code
- 4. program
- 5. destination code

Online Exams

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Complete the following C program that reads a series of numbers from the keyboard until the user enters -1.

Calulate an print numbers of multiples of 5 which are entered as user inputs.

ex:

User input number series : 1, 3, 5, 10, 15, -1

Numbers of multiples of 5 : 3

(Here only 5, 10 and 15 are multiples of 5)

(5 marks)

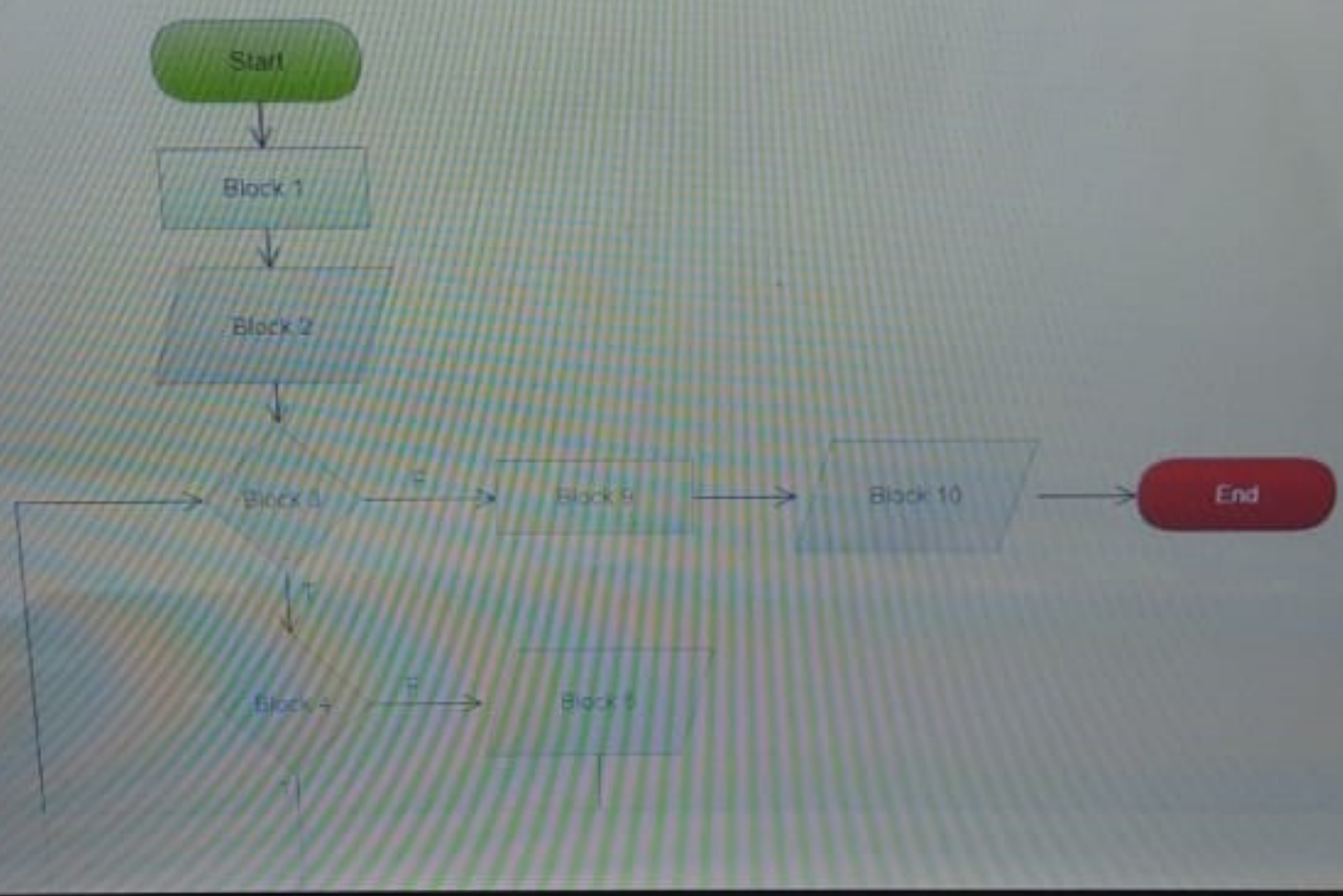
```
#include <stdio.h>
int main(void)
{
    ----------------
    ----------------
    ----------------
    return 0;
}
```

(5 marks)

Sri Lanka Institute of Information Technology

Complete the following flowchart to find the total and average weights of cereal boxes going through a production line. If a box weights less than 200 g or more than 250 g then you should display an error message and remove the box from the line. To stop entering the weights enter the sentinel value -99.

(5 marks)



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Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct . If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(principal, staff members, their, one's, people, one, partners)

The college ..... invites the students to send a proposal outlining any problems they may face when studying abroad and suggesting ways in which the course could address these problems.

Answer:

Next page

Online Exams

Sri Lanka Institute of Information Technology

Question 1

Not yet answered

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Flag question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

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(he , chairman, the, human being , their, oneself , the student , salesperson's , chair, their, the writer, humans, men's, there, humans)

This complaint is regarding your _____ attitude and mannerism towards editors.

Next page

Quiz navigation

ACADEMIC INTEGRITY DECLA

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QUESTIONS

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FEEDBACK ON THE EXAM

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Finish attempt ...

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Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

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(principal, that person , staff members, the student , the , their, people, one, partners)

Any employee, regardless of .....designation, creates a more hostile workplace by using discriminatory language.

Answer:

Next page

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Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

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(partners, an , staff members , who , one , their , his, partners, they , customer)

A professor should correct ..... students' papers according to a set of predetermined guidelines.

Answer:

Next page

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

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(he , chairman, the, the human being , their, oneself , salesperson's , chair, their, the writer, humans, men's, there, humans)

Product manufacturers pay big dollars to place _____ products there to grab shoppers' attention.

Next pag

Online Exams

Sri Lanka Institute of Information Technology

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Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

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(he , chairman, the, human being , their, oneself , the student , salesperson's , chair, their, the writer, humans, men's, there, humans)

This complaint is regarding your human being attitude and mannerism towards editors.

Next page

Online Exams

Sri Lanka Institute of Information Technology

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

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(partners, an , staff members , who , their , his, partners, they , customer)

Shannon was hoping that a doctor would give ..... opinion.

Answer:

Next page

Online Exams

Sri Lanka Institute of Information Technology

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

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(he , chairman, the, the human being , their, oneself , salesperson's , chair, their, the writer, humans, men's, there, humans)

This was the first, but certainly not the last time in which [ ] would have to accept the position as a mere part of the universe, not at the centre of it.

Next page

Moodle

Online Exams

Sri Lanka Institute of Information Technology

Question 3

Not yet answered

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Flag question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct. If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(principal, that person , the , their, he , one's, people, that persons, partners)

If anyone attains a leadership role in an organization, ...should set an example by being fair and equitable in his treatment to all employees.

Answer:

Next page

Online Exams

Sri Lanka Institute of Information Technology

Question **5**

Not yet answered

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Flag question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct. If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(he , chairman, the, human being , their, oneself , the student , salesperson's , chair, their, the writer, humans, men's, there, humans)

If the writer plans ahead, _____ will save a lot of effort.

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Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct. If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(he , chairman, the, the human being , their, oneself , salesperson's , chair, their, the writer, humans, men's, there, humans)

Product manufacturers pay big dollars to place _____ products there to grab shoppers' attention.

Next page

Online Exams

Sri Lanka Institute of Information Technology

Question **4**

Not yet answered

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Flag question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct. If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(principal, that person , staff members, the student , the , their, people, one, partners)

Any employee, regardless of .....designation, creates a more hostile workplace by using discriminatory language.

Answer:

Next page

Moodle

Online Exams

Sri Lanka Institute of Information Technology

Question **6**

Not yet answered

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Flag question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct . If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(partners, an , staff members , who , one , their , his, partners, they , customer)

A professor should correct ..... students' papers according to a set of predetermined guidelines.

Answer:

Next page

Quiz r

ACADEMIC

QUESTIONS

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Online Exams

Sri Lanka Institute of Information Technology

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

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(he , chairman, the, the human being , their, oneself , salesperson's , chair, their, the writer, humans, men's, there, humans)

The philosopher uses the reason to guide _____ .

Online Exams

Sri Lanka Institute of Information Technology

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

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(he , chairman, the, human being , their, oneself , the student , salesperson's , chair, their, the writer, humans, men's, there, humans)

This complaint is regarding your _____ attitude and mannerism towards editors.

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Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct. If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(principal, that person , the , their, he , one's, people, that persons, partners)

If anyone attains a leadership role in an organization, ...should set an example by being fair and equitable in his treatment to all employees.

Answer:

Next page

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Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

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(principal, staff members, their, one's, people, one)

It's sometimes hard for ..... to choose a film that fits the mood purely on the basis of the poster or the description on the cover of the DVD.

Answer:

Next page

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Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

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(partners, an , staff members , who , one , their , his, partners, they , customer)

A professor should correct ..... students' papers according to a set of predetermined guidelines.

Answer:

Next page

Moodle

Online Exams

Sri Lanka Institute of Information Technology

Question **2**

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Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

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(principal, staff members, their, one's, one, partners)

To qualify for payment of the mobility incentive at the office, ... must have five years' prior continuous service on a fixed-term or continuing appointment.

Answer:

Next pa

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct. If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(he , chairman, the, the human being , their, oneself , salesperson's , chair, their, the writer, humans, men's, there, humans)

Product manufacturers pay big dollars to place _____ products there to grab shoppers' attention.

Next pag

Moodle

Online Exams

Sri Lanka Institute of Information Technology

Question 4

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Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

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(he , chairman, the, the human being , their, oneself , salesperson's , chair, their, the writer, humans, men's, there, humans)

This was the first, but certainly not the last time in which _____ would have to accept the position as a mere part of the universe, not at the centre of it.

Next page

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Flag question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

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(he , chairman, the, human being , their, oneself , salesperson's , chair, their, the writer, humans, men's, there, humans)

If a student changes the address, the student must notify _____ of the club as soon as possible

Next page

Online Exams

Sri Lanka Institute of Information Technology

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

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(he , chairman, the, human being , their, oneself , the student , salesperson's , chair, their, the writer, humans, men's, there, humans)

This complaint is regarding your _____ attitude and mannerism towards editors.

Moodle

Online Exams

Sri Lanka Institute of Information Technology

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Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

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(principal, staff members, their, one's, people, one, partners)

The college ..... invites the students to send a proposal outlining any problems they may face when studying abroad and suggesting ways in which the course could address these problems.

Answer:

Next pa

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

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(he , chairman, the, the human being , their, oneself , salesperson's , chair, their, the writer, humans, men's, there, humans)

This was the first, but certainly not the last time in which _____ would have to accept the position as a mere part of the universe, not at the centre of it.

Next page

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

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(partners, an , staff members , who , their , his, partners, they , customer)

Shannon was hoping that a doctor would give ..... opinion.

Answer: an

Online Exams

Sri Lanka Institute of Information Technology

Question 2

Not yet answered

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Flag question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

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(he , chairman, the, human being , their, oneself , salesperson's , chair, their, the writer, humans, men's, there, humans)

If a student changes the address, the student must notify _____ of the club as soon as possible

Next page

Quiz navi

ACADEMIC INTE

QUESTIONS

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FEEDBACK ON

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Time left 1:52:4

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Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

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(principal, that person , staff members, the student , the , their, people, one, partners)

Any employee, regardless of .....designation, creates a more hostile workplace by using discriminatory language.

Answer:

Next page

Online Exams

Sri Lanka Institute of Information Technology

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Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

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(he , chairman, the, the human being , their, oneself , salesperson's , chair, their, the writer, humans, men's, there, humans)

Product manufacturers pay big dollars to place _____ products there to grab shoppers' attention.

Next page

Online Exams

Sri Lanka Institute of Information Technology

Question **5**

Not yet answered

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Flag question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

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(he , chairman, the, human being , their, oneself , the student , salesperson's , chair, their, the writer, humans, men's, there, humans)

If the writer plans ahead, _____ will save a lot of effort.

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Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

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(he , chairman, the, the human being , their, oneself , salesperson's , chair, their, the writer, humans, men's, there, humans)

Product manufacturers pay big dollars to place _____ products there to grab shoppers' attention.

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Online Exams

Sri Lanka Institute of Information Technology

Question **5**

Not yet answered

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Flag question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct. If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(he , chairman, the, human being , their, oneself , the student , salesperson's , chair, their, the writer, humans, men's, there, humans)

This complaint is regarding your _____ attitude and mannerism towards editors.

Next page

Moodle

Online Exams

Sri Lanka Institute of Information Technology

Question **6**

Not yet answered

Marked out of 4.00

Flag question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct . If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(partners, an , staff members , who , one , their , his, partners, they , customer)

A professor should correct ..... students' papers according to a set of predetermined guidelines.

Answer:

Next page

Quiz r

ACADEMIC

QUESTIONS

1 2 9

FEEDBACK ON

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Finish attempt

Time left 1:14:30

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Online Exams

Sri Lanka Institute of Information Technology

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Flag question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct . If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(principal, their, one's, people, one)

Most ....., who are interested in music, take lessons out of school.

Answer:

Next page

Quiz navigation

ACADEMIC INTEGRITY DECLA

1

QUESTIONS

1 2 3 4 5

8 9

FEEDBACK ON THE EXAM

10

Finish attempt ...

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question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct . If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(partners, an , staff members , who , one , their , his, partners, they , customer)

A professor should correct ..... students' papers according to a set of predetermined guidelines.

Answer:

Next page

Moodle

Online Exams

Sri Lanka Institute of Information Technology

Question **2**

Not yet answered

Marked out of 4.00

Flag question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct . If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(principal, staff members, their, one's, one, partners)

To qualify for payment of the mobility incentive at the office, ... must have five years' prior continuous service on a fixed-term or continuing appointment.

Answer:

Next pa

Online Exams

Sri Lanka Institute of Information Technology

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct. If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(he , chairman, the, the human being , their, oneself , salesperson's , chair, their, the writer, humans, men's, there, humans)

[ ], it was believed, was made in God's image, and were superior to all creatures.

Next page

Moodle

Online Exams

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Question **2**

Not yet answered

Marked out of 4.00

Flag question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct . If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(principal, staff members, their, one's, one, partners)

To qualify for payment of the mobility incentive at the office, ... must have five years' prior continuous service on a fixed-term or continuing appointment.

Answer:

Next pa

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct. If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(he , chairman, the, the human being , their, oneself , salesperson's , chair, their, the writer, humans, men's, there, humans)

Product manufacturers pay big dollars to place _____ products there to grab shoppers' attention.

Next pag

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct. If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(he , chairman, the, the human being , their, oneself , salesperson's , chair, their, the writer, humans, men's, there, humans)

Product manufacturers pay big dollars to place _____ products there to grab shoppers' attention.

Next pag

Online Exams

Sri Lanka Institute of Information Technology

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*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct . If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(principal, staff members, their, one's, people, one, partners)

The college ..... invites the students to send a proposal outlining any problems they may face when studying abroad and suggesting ways in which the course could address these problems.

Answer:

Next page

Online Exams

Sri Lanka Institute of Information Technology

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type answer in the given space.

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(he , chairman, the, the human being , their, oneself , salesperson's , chair, their, the writer, humans, men's, there, humans)

Product manufacturers pay big dollars to place _____ products there to grab shoppers' attention.

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct . If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(principal, staff members, their, one's, people, one, partners)

The scholars will be presenting ..... research reports to the council tomorrow.

Answer:

Next page

Moodle

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Question 4

Not yet answered

Marked out of 4.00

Flag question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct. If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(he , chairman, the, the human being , their, oneself , salesperson's , chair, their, the writer, humans, men's, there, humans)

This was the first, but certainly not the last time in which _____ would have to accept the position as a mere part of the universe, not at the centre of it.

Next page

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct. If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(he , chairman, the, human being , their, oneself , salesperson's , chair, their, the writer, humans, men's, there, humans)

If a student changes the address, the student must notify _____ of the club as soon as possible

Next page

Moodle

Online Exams

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Question **3**

Not yet answered

Marked out of 4.00

Flag question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct. If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(principal, that person , the , their, he , one's, people, that persons, partners)

If anyone attains a leadership role in an organization, ...should set an example by being fair and equitable in his treatment to all employees.

Answer:

Next page

Moodle

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Question 3

Not yet answered

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Flag question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct. If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(principal, that person , the , their, he , one's, people, that persons, partners)

If anyone attains a leadership role in an organization, ...should set an example by being fair and equitable in his treatment to all employees.

Answer:

Next page

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct . If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(principal, staff members, their, one's, people, one, partners)

The scholars will be presenting ..... research reports to the council tomorrow.

Answer:

Next page

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Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct. If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(he , chairman, the, the human being , their, oneself , salesperson's , chair, their, the writer, humans, men's, there, humans)

Product manufacturers pay big dollars to place _____ products there to grab shoppers' attention.

Next page

Online Exams

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Question **4**

Not yet answered

Marked out of 4.00

Flag question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct. If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(principal, that person , staff members, the student , the , their, people, one, partners)

Any employee, regardless of .....designation, creates a more hostile workplace by using discriminatory language.

Answer:

Next page

Online Exams

Sri Lanka Institute of Information Technology

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct. If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(he , chairman, the, human being , their, oneself , the student , salesperson's , chair, their, the writer, humans, men's, there, humans)

This complaint is regarding your _____ attitude and mannerism towards editors.

Next page

Quiz navigation

ACADEMIC INTEGRITY DECL

1

QUESTIONS

1 2 3 4 5

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FEEDBACK ON THE EXAM

10

Finish attempt ...

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Online Exams

Sri Lanka Institute of Information Technology

Question **6**

Not yet answered

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Flag question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct . If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(partners, an , staff members , who , one , their , his, partners, they , customer)

A professor should correct ..... students' papers according to a set of predetermined guidelines.

Answer:

Next page

Quiz r

ACADEMIC

QUESTIONS

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FEEDBACK ON

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Finish attempt

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Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct. If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(he , chairman, the, human being , their, oneself , salesperson's , chair, their, the writer, humans, men's, there, humans)

If a student changes the address, the student must notify _____ of the club as soon as possible

Next page

Online Exams

Sri Lanka Institute of Information Technology

Question **4**

Not yet answered

Marked out of 4.00

Flag question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct. If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(he , chairman, the, the human being , their, oneself , salesperson's , chair, their, the writer, humans, men's, there, humans)

_____, it was believed, was made in God's image, and were superior to all creatures.

Next page

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Online Exams

Sri Lanka Institute of Information Technology

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Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

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(he , chairman, the, the human being , their, oneself , salesperson's , chair, their, the writer, humans, men's, there, humans)

The philosopher uses the reason to guide _____.

Next pa

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Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct. If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(he , chairman, the, human being , their, oneself , salesperson's , chair, their, the writer, humans, men's, there, humans)

Humans could believe that they were at the centre of God's universe, and the sun and stars were created for _____ benefit.

Next

Online Exams

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Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct. If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(he , chairman, the, human being , their, oneself , the student , salesperson's , chair, their, the writer, humans, men's, there, humans)

This complaint is regarding your _____ attitude and mannerism towards editors.

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ot yet answered

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Flag question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct. If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(principal, that person , the , their, he , one's, people, that persons, partners)

If anyone attains a leadership role in an organization, ...should set an example by being fair and equitable in his treatment to all employees.

Answer:

Next page

Moodle

Online Exams

Sri Lanka Institute of Information Technology

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Flag question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

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(principal, staff members, their, one's, people, one, partners)

The college ..... invites the students to send a proposal outlining any problems they may face when studying abroad and suggesting ways in which the course could address these problems.

Answer:

Next pa

Online Exams

Sri Lanka Institute of Information Technology

uestion **8**

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Flag question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct . If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(principal, staff members, their, one's, people, one, partners)

The scholars will be presenting ..... research reports to the council tomorrow.

Answer:

Next page

uestion 7

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Flag question

Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

*IMPORTANT: When typing the answer make sure that all are simple letters as given in the list and that the spellings are correct. If not, the system will mark your answer as wrong. In addition, do not type any punctuation marks.

(principal, that person , the , their, he , one's, people, that persons, partners)

If anyone attains a leadership role in an organization, ...should set an example by being fair and equitable in his treatment to all employees.

Answer:

Next page

Online Exams

Sri Lanka Institute of Information Technology

uestion **8**

ot yet answered

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Flag question

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(principal, staff members, their, one's, people, one, partners)

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Answer:

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Online Exams

Sri Lanka Institute of Information Technology

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(he , chairman, the, human being , their, oneself , the student , salesperson's , chair, their, the writer, humans, men's, there, humans)

This complaint is regarding your _____ attitude and mannerism towards editors.

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Read the following sentence and select the most appropriate word from the given list to make the sentence non-discriminatory. *Type your answer in the given space.

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(principal, staff members, their, one's, people, one, partners)

Critical thinking is a skill built on ..... ability to conduct careful and thoughtful analyses of issues.

Answer:

Next page