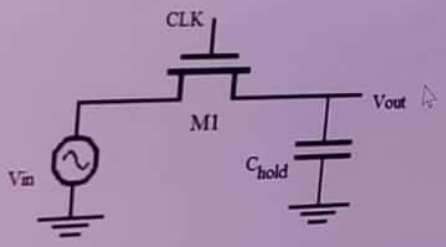
QUESTION: 37 GROUP: **Technical** SECTION: **Analog Circuits**

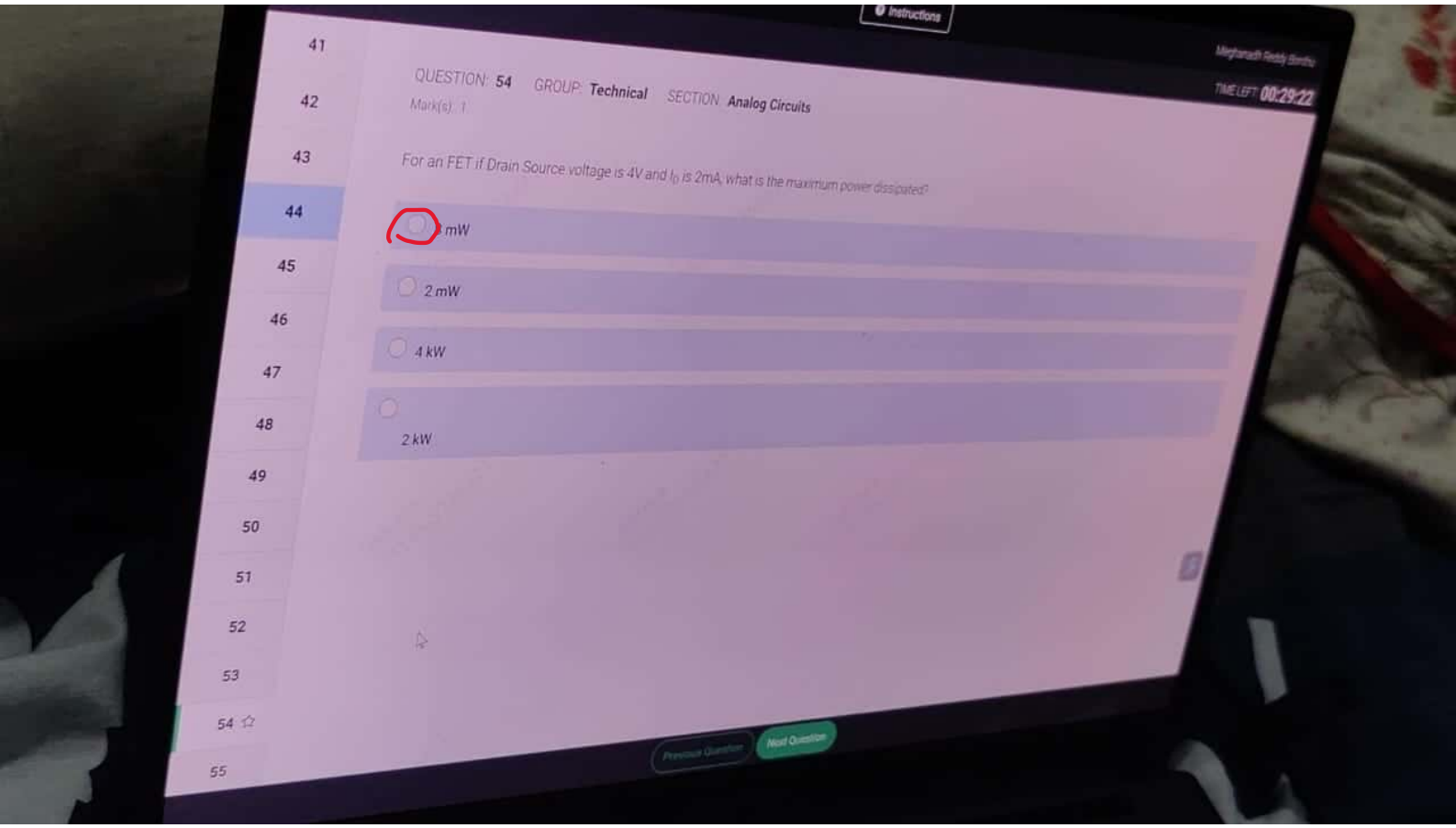
Mark(s): 1

The circuit shown below is a sample & hold circuit which consists of one NMOS (M1) having gate-terminal fed with clock (CLK) signal, drain with input Vin & source as output attached to a capacitor ($C_{hold}$) to hold the value. During high to low transition of clock the circuit experiences a clock feed through effect causing distorted output which causes due to




- input & clock becomes out of phase .
- High leakage resistance of M1
- gate-to-drain & gate-to-source capacitances of M1
- ($C_{hold}$) receives no input signal

Previous Question | Next Question


Instructions
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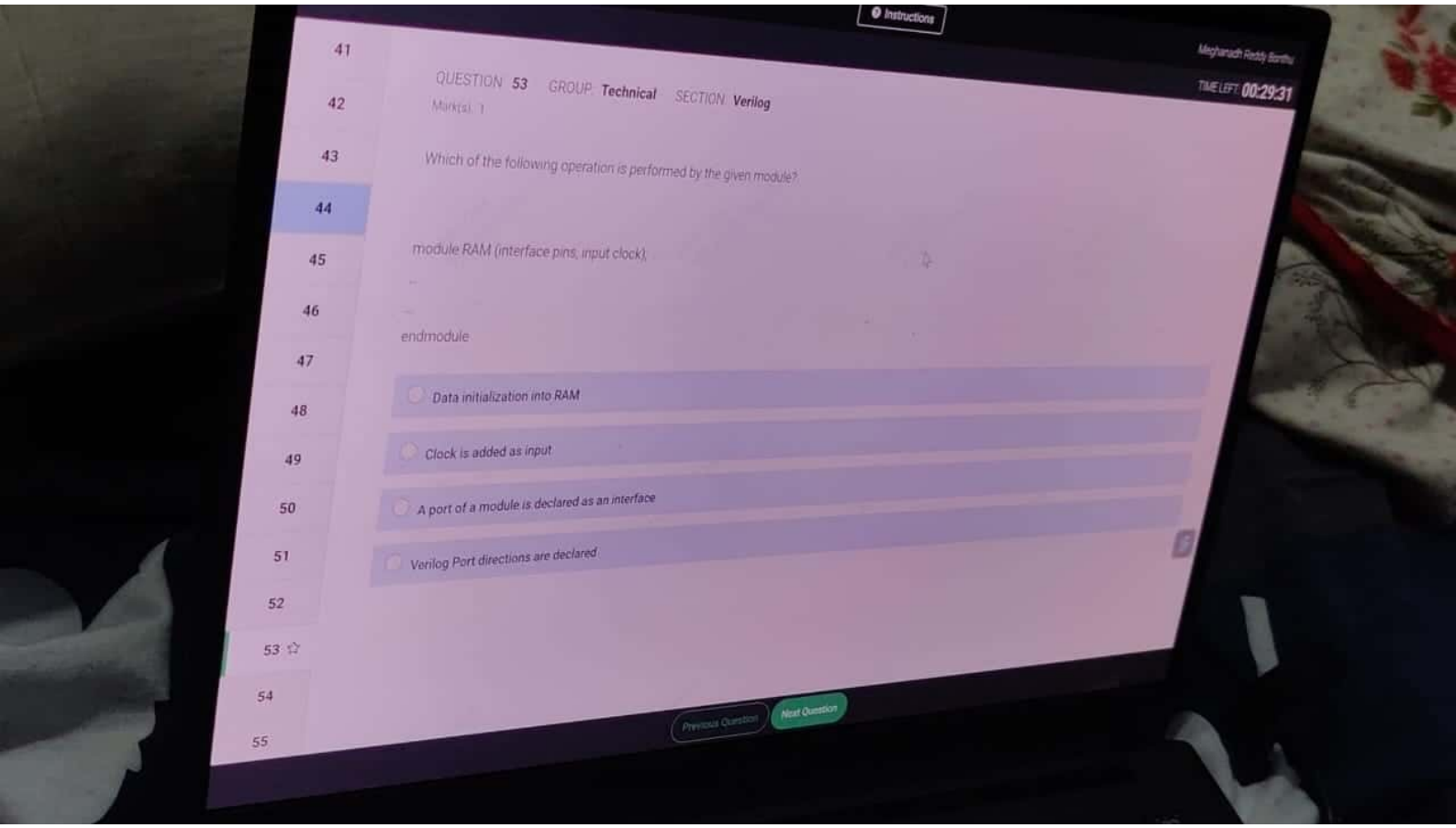
QUESTION: 54 GROUP: Technical SECTION: Analog Circuits
Mark(s): 1
TIME LEFT: 00:29:22
For an FET if Drain Source voltage is 4V and $I_D$ is 2mA, what is the maximum power dissipated?
mW
2 mW
4 kW
2 kW
Previous Question
Next Question


Instructions
Meghanadh Reddy Bandhu
TIME LEFT: 00:29:31
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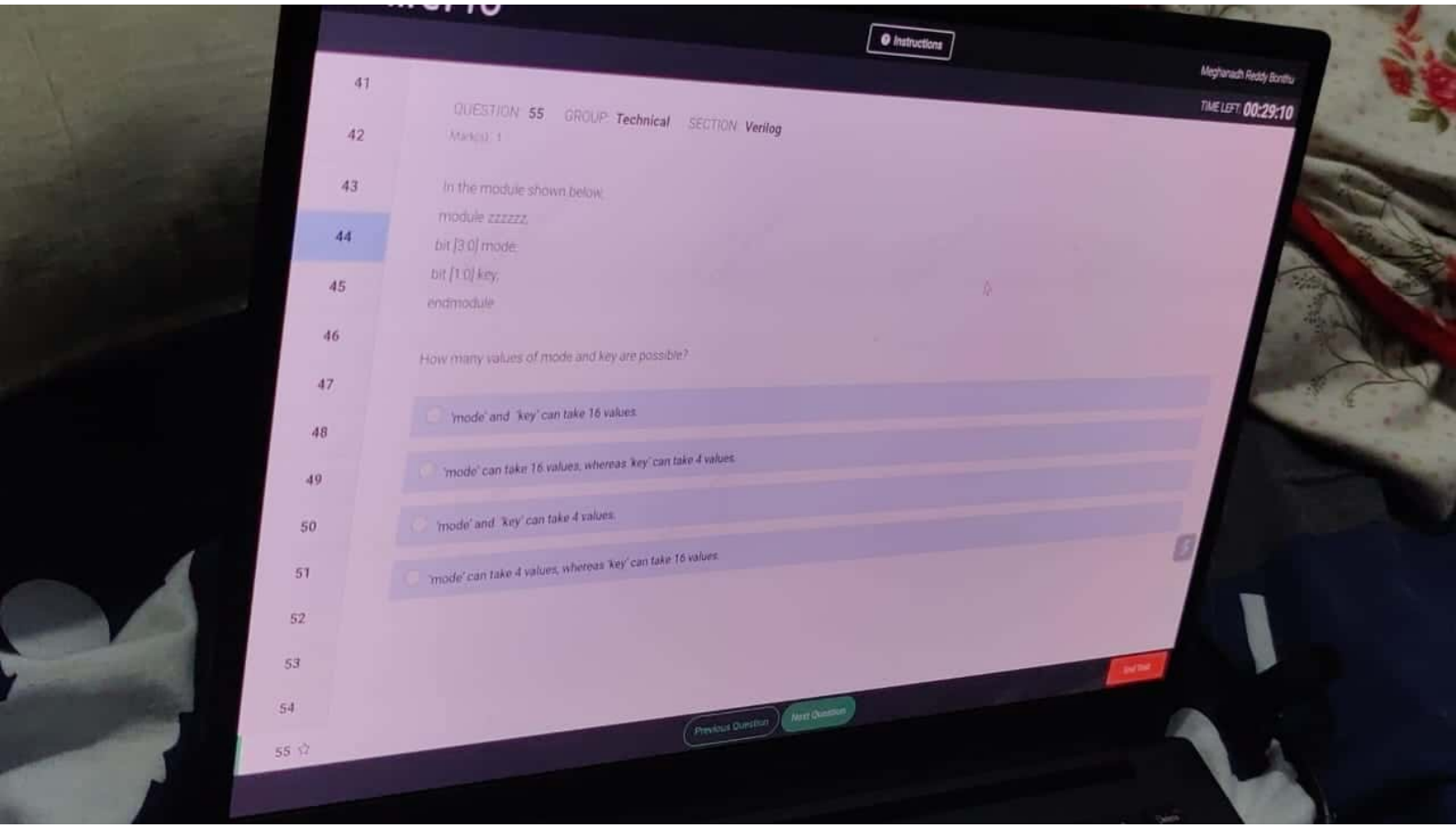
QUESTION 53 GROUP: Technical SECTION: Verilog
Mark(s): 1
Which of the following operation is performed by the given module?
module RAM (interface pins, input clock);
endmodule
Data initialization into RAM
Clock is added as input
A port of a module is declared as an interface
Verilog Port directions are declared
Previous Question
Next Question


Instructions
Meghanadh Reddy Bonthu
TIME LEFT: 00:29:10
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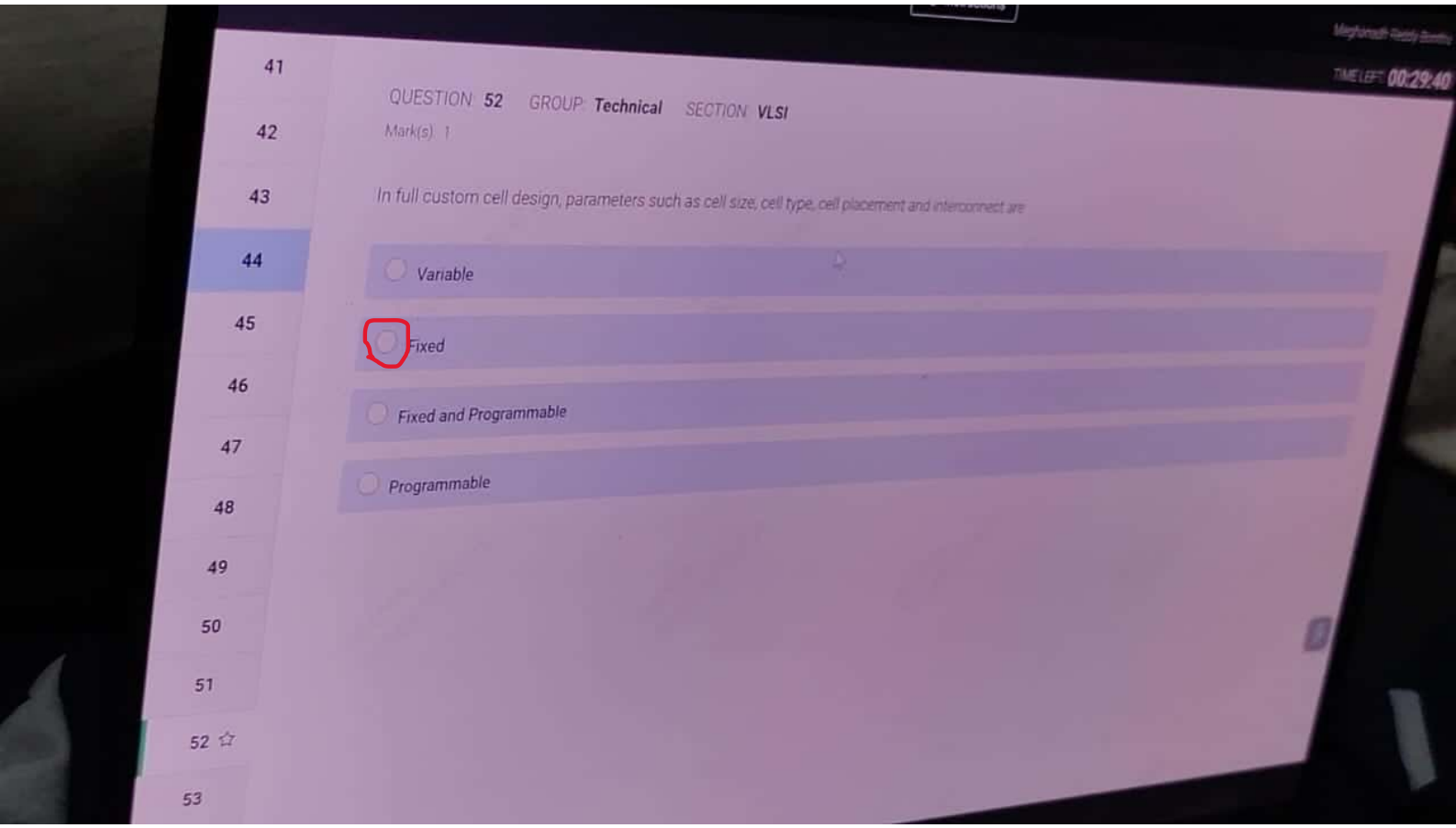
QUESTION 55 GROUP: Technical SECTION: Verilog
Marks: 1
In the module shown below:
module zzzzzz;
bit [3:0] mode;
bit [1:0] key;
endmodule
How many values of mode and key are possible?
'mode' and 'key' can take 16 values.
'mode' can take 16 values, whereas 'key' can take 4 values.
'mode' and 'key' can take 4 values.
'mode' can take 4 values, whereas 'key' can take 16 values.
Previous Question
Next Question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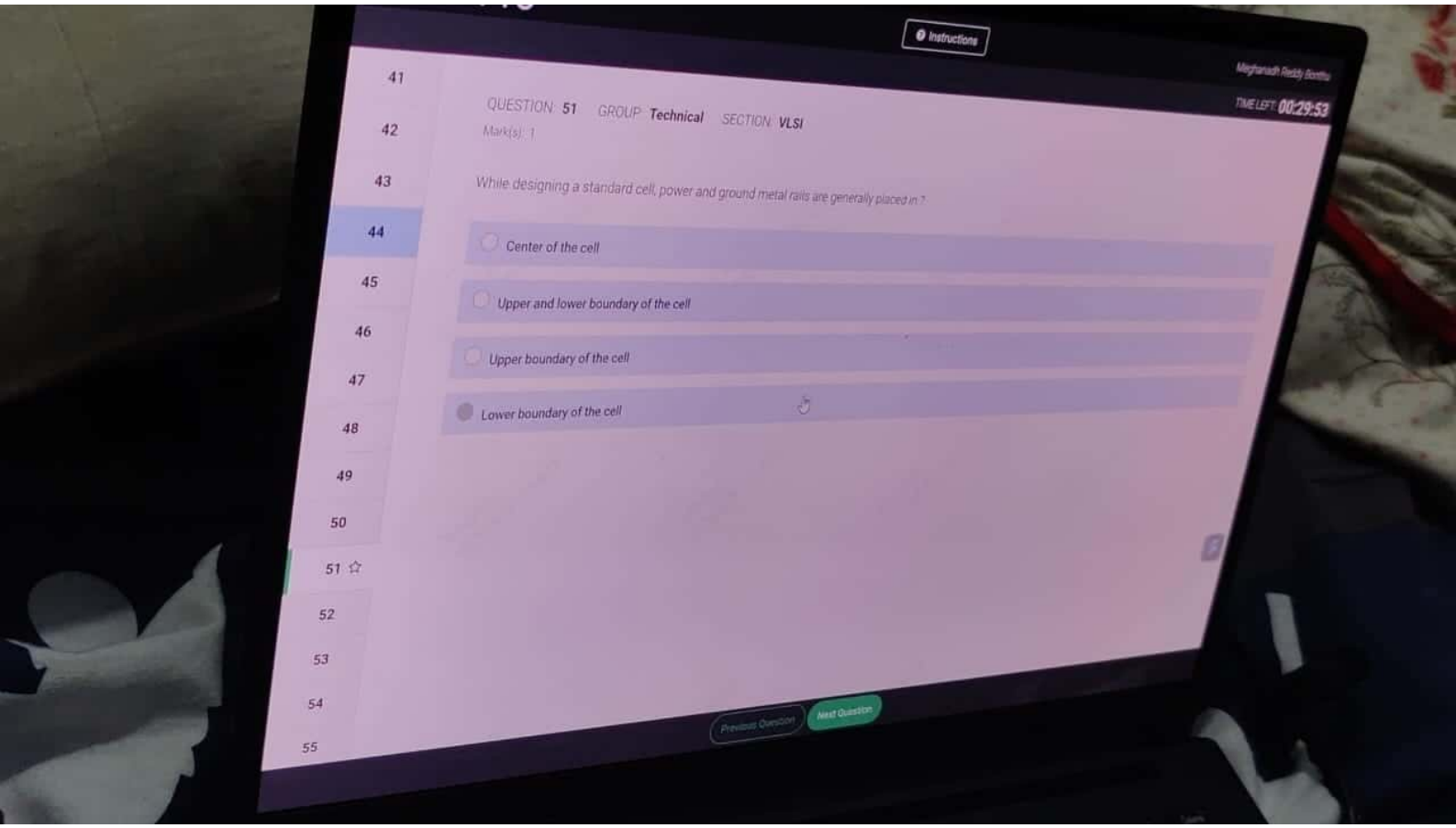
QUESTION 52 GROUP Technical SECTION VLSI
Mark(s) 1
In full custom cell design, parameters such as cell size, cell type, cell placement and interconnect are
Variable
Fixed
Fixed and Programmable
Programmable
TIME LEFT 00:29:40


Instructions
Meghanadh Reddy Bonthu
TIME LEFT: 00:29:53
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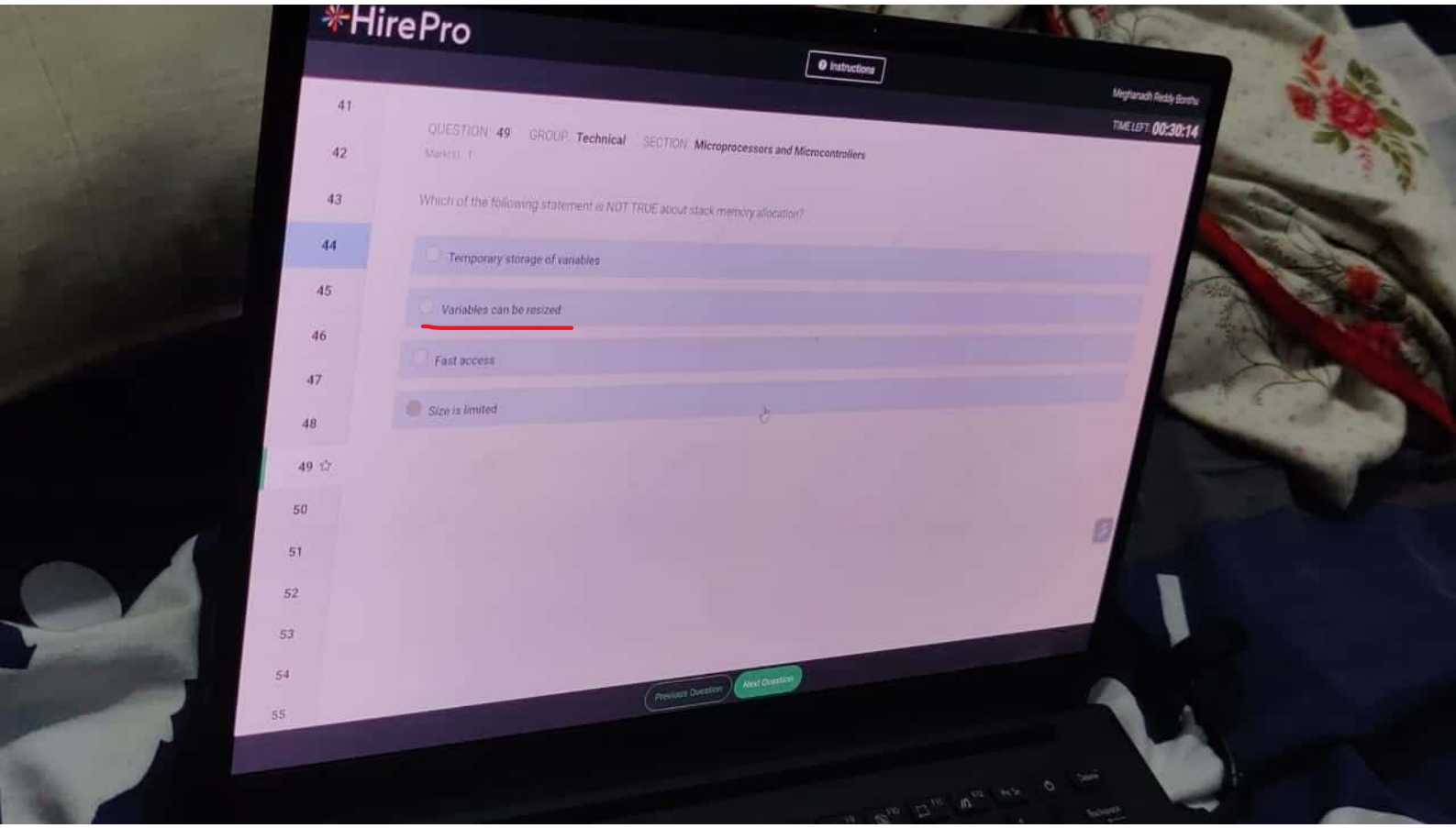
QUESTION: 51 GROUP: Technical SECTION: VLSI
Mark(s): 1
While designing a standard cell, power and ground metal rails are generally placed in ?
Center of the cell
Upper and lower boundary of the cell
Upper boundary of the cell
Lower boundary of the cell
Previous Question
Next Question


HirePro
Instructions
Meghanadh Reddy Bonthu
TIME LEFT: 00:30:14
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QUESTION: 49 GROUP: Technical SECTION: Microprocessors and Microcontrollers
Marks: 1
Which of the following statement is NOT TRUE about stack memory allocation?
Temporary storage of variables
Variables can be resized
Fast access
Size is limited
Previous Question
Next Question

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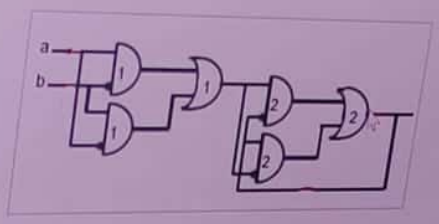
TIME LEFT 00:30

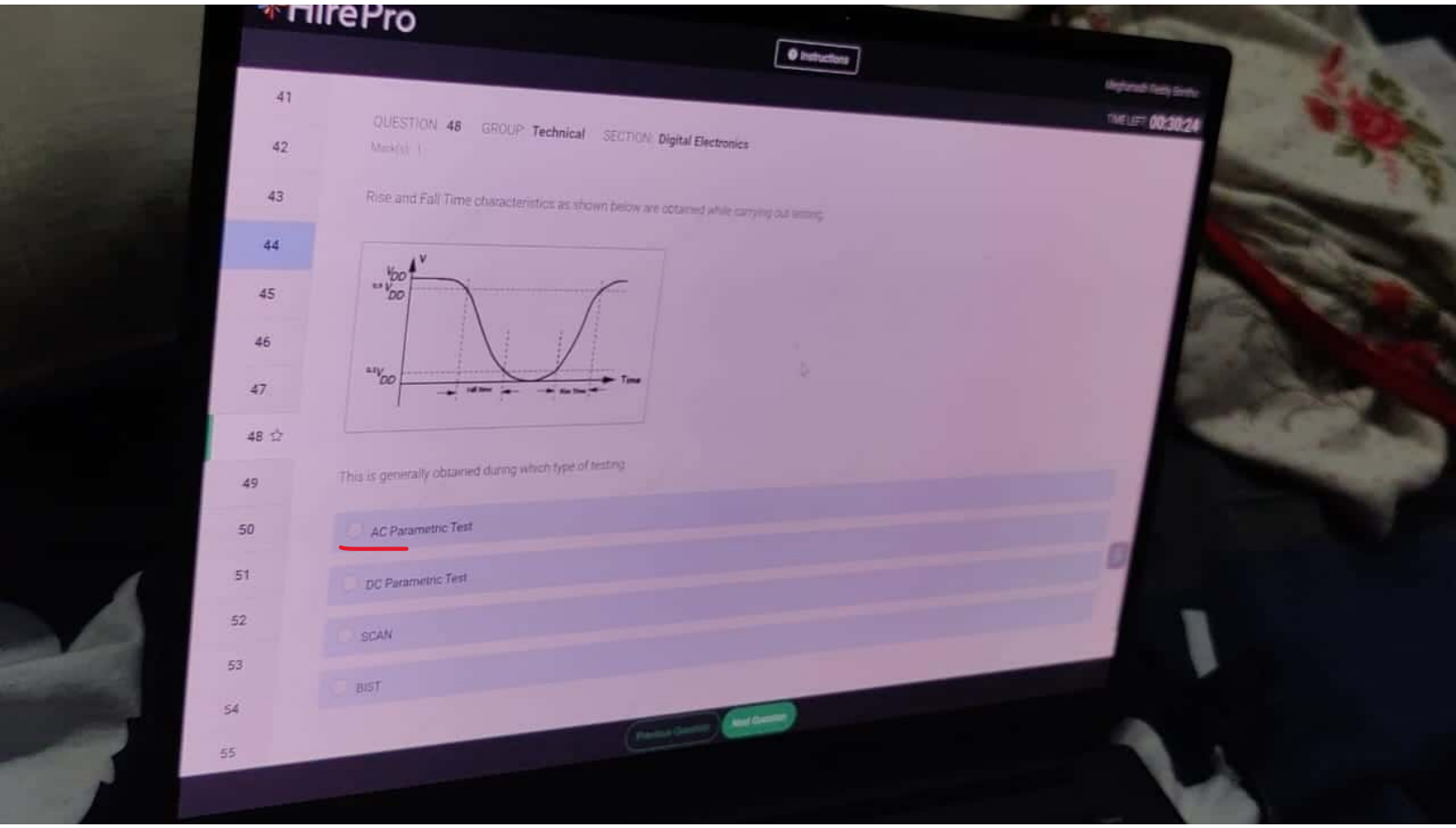
Operation diagram of a RTL is shown in figure




Calculate the clock period and register?

- Clock period = 8,
  And register= 3
- Clock period = 4,
  And register= 4
- Clock period = 6,
  And register= 4
- Clock period = 7,
  And register= 3

Previous Question | Next Question


HirePro
Instructions
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QUESTION 48 GROUP Technical SECTION Digital Electronics
TIME LEFT 00:30:24
Rise and Fall Time characteristics as shown below are obtained while carrying out testing.
V
VDD
0.9 VDD
0.1VDD
Time
This is generally obtained during which type of testing
AC Parametric Test
DC Parametric Test
SCAN
BIST

HirePro

Instructions

Meghanadh Reddy Bonthu

TIME LEFT: 00:30:35

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47 ☆
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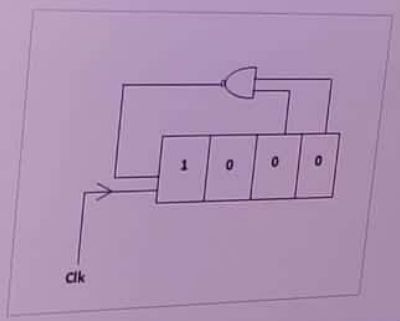
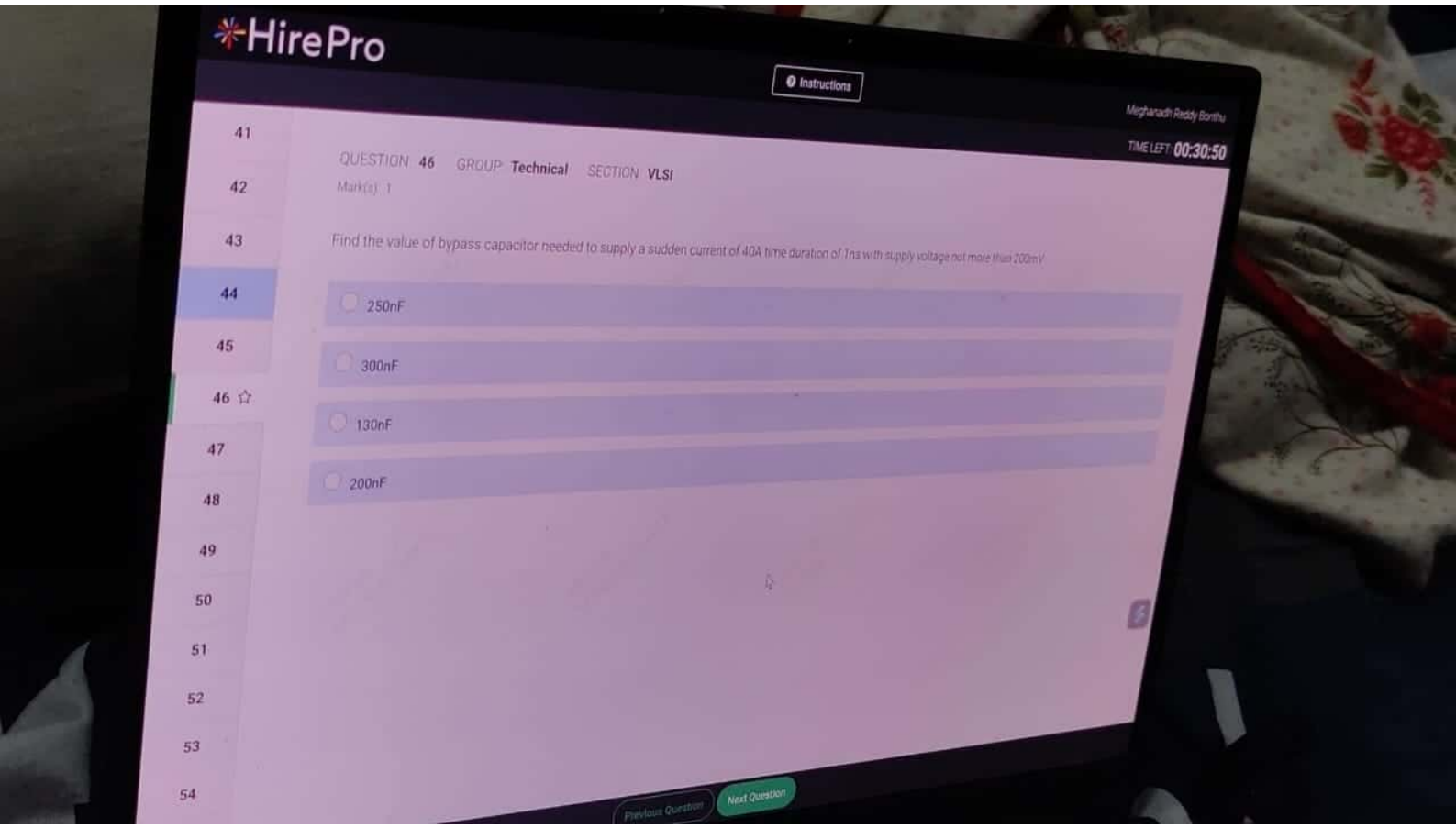
The initial value of shift register is '1000', as shown in figure below. How many clock pulses need to be given at clk input of the shift register to make the contents of shift register '1111'




- 7
- 4
- 9
- 5

Previous Question

Next Question


HirePro
Instructions
Megharadh Reddy Bonthu
TIME LEFT 00:30:50
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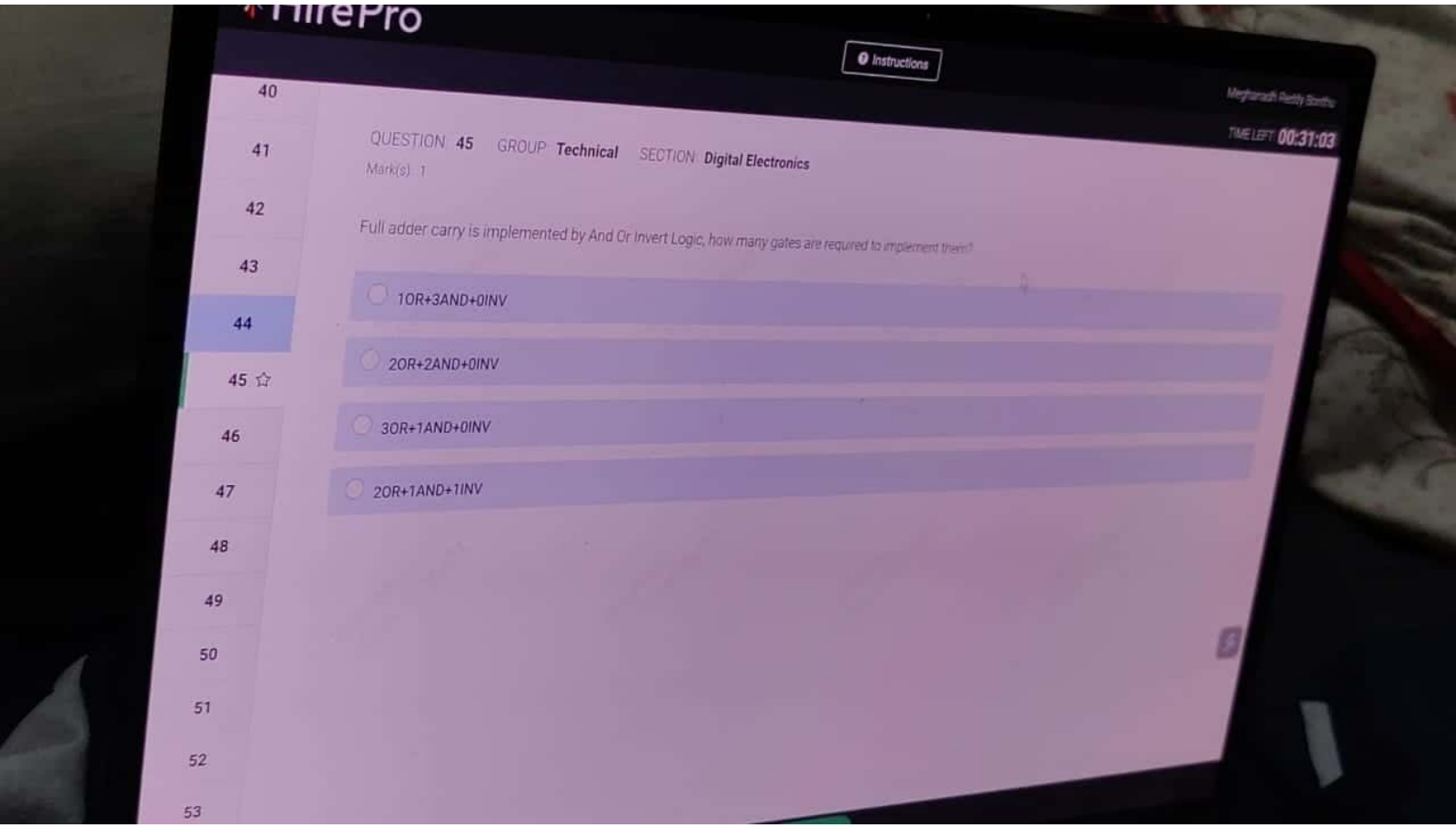
QUESTION 46 GROUP Technical SECTION VLSI
Mark(s) 1
Find the value of bypass capacitor needed to supply a sudden current of 40A time duration of 1ns with supply voltage not more than 200mV
250nF
300nF
130nF
200nF
Previous Question
Next Question


HirePro
Instructions
Meghanadh Reddy Bonthu
TIME LEFT 00:31:03
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QUESTION 45 GROUP Technical SECTION Digital Electronics
Mark(s) 1
Full adder carry is implemented by And Or Invert Logic, how many gates are required to implement them?
1OR+3AND+0INV
2OR+2AND+0INV
3OR+1AND+0INV
2OR+1AND+1INV

39

40 QUESTION: 44 GROUP: Technical SECTION: RTL

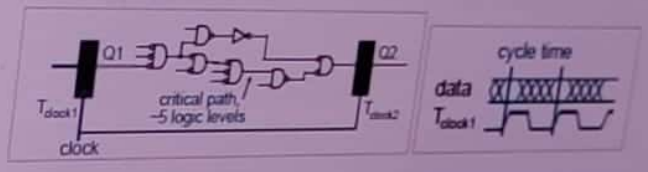
Mark(s): 1

41

For a RTL timing operation, relation between cyclic time and longest critical path?

42

43




44 ☆

45 cyclic time less then longest critical path

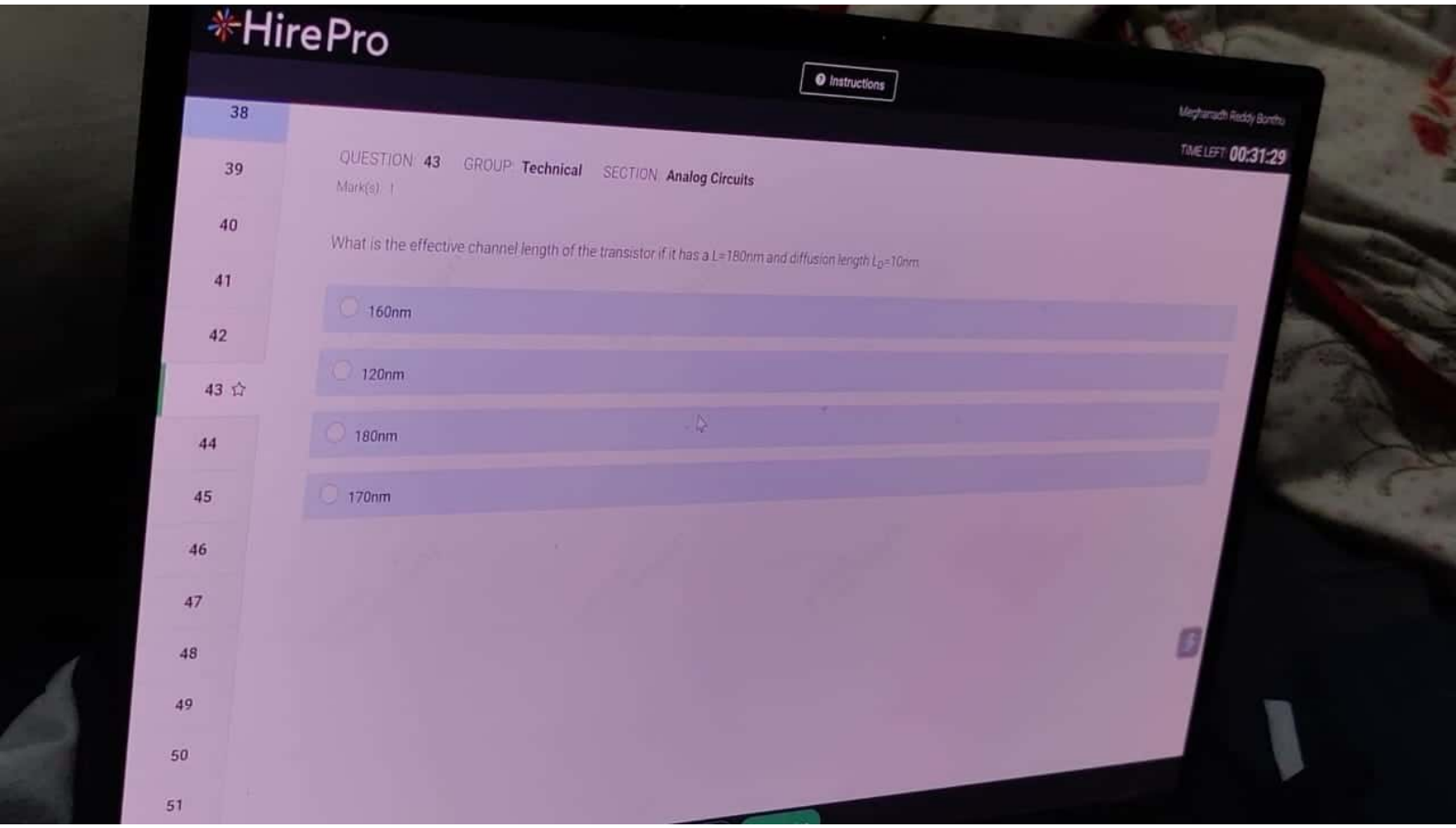
46 There is no relation between cyclic time and longest critical path.

47 cyclic time equal to longest critical path

48

49 cyclic time greater then longest critical path

50


HirePro
Instructions
Meghanadh Reddy Bonthu
TIME LEFT 00:31:29
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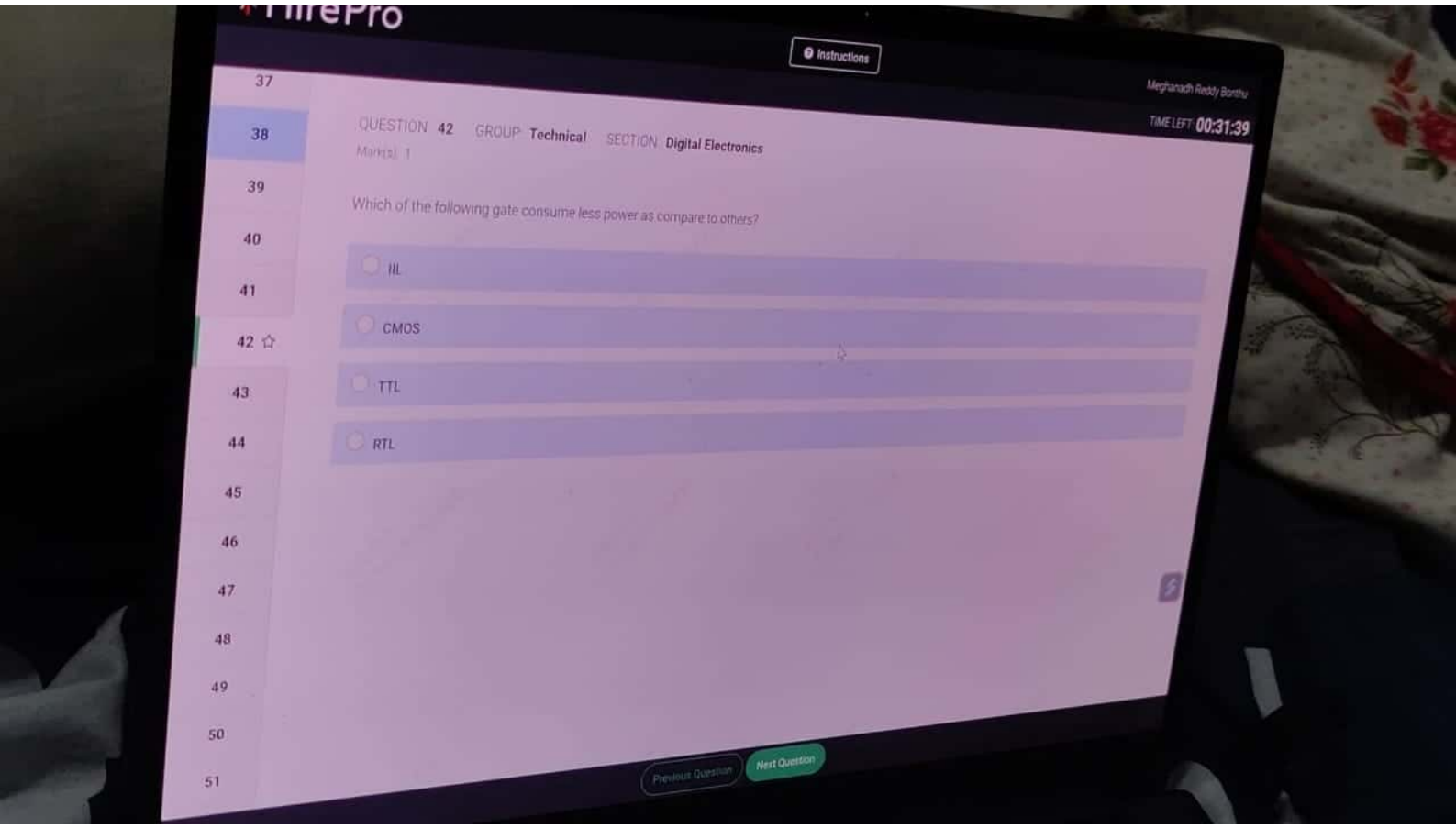
QUESTION: 43 GROUP: Technical SECTION: Analog Circuits
Mark(s): 1
What is the effective channel length of the transistor if it has a L=180nm and diffusion length $L_D$=10nm
160nm
120nm
180nm
170nm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Instructions
Meghanadh Reddy Borthu
TIME LEFT 00:31:39
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QUESTION 42 GROUP Technical SECTION Digital Electronics
Marks: 1
Which of the following gate consume less power as compare to others?
IIL
CMOS
TTL
RTL
Previous Question
Next Question

Instructions

Meghanadh Reddy Bonthu

TIME LEFT 00:31:49

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QUESTION 41 GROUP Technical SECTION Basic Electronics

Mark(s) 1

In a P type Silicon sample the intrinsic carrier concentration is $1.5 \times 10^{10}\ cm^{-3}$. Find out its electron concentration if its hole concentration is $2.25 \times 10^{11}\ cm^{-3}$

- $10^{2}\ cm^{-3}$
- $10^{4}\ cm^{-3}$
- $10^{3}\ cm^{-3}$
- $10^{5}\ cm^{-3}$

HirePro

Instructions

Meghanadh Reddy Bonthu

TIME LEFT: 00:32:09

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40 ☆
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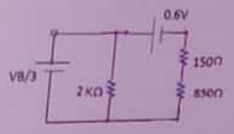
QUESTION: 40 GROUP: Technical SECTION: Basic Electronics

Mark(s): 1

PN junction diode has cutting voltage of 0.6 V and $r_f$ = 150 ohm If diode can dissipate a maximum power of 200m W, find maximum permissible value of $V_R$




- 256 V
- 147 V
- 313 V
- 86 V

Previous Question

Next Question

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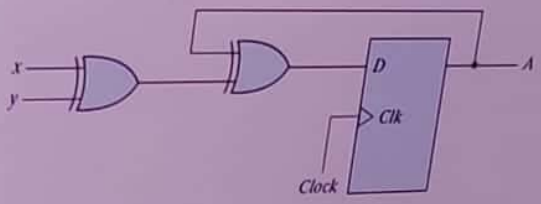
TIME LEFT 00:

QUESTION: **38** GROUP: **Technical** SECTION: **Digital Electronics**

Mark(s): 1

For the circuit, if present state is 1, what will the output be for the inputs 0 0 and 1 1 respectively?




- 0 and 1
- 1 and 1
- 1 and 0
- 0 and 0

Instructions

Meghanadh Reddy Bonthu

TIME LEFT: 00:32:20

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39 ☆
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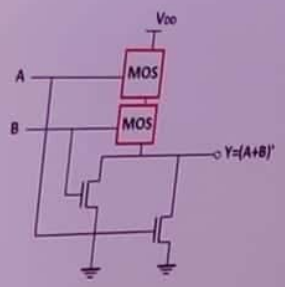
The combinational circuit having input A and B connected to four MOS transistors to obtain output Y= (A + B )'. Find the suitable MOS that can be placed in the upper network in the box marked as "MOS"




- MOS with input A and B are to be replaced by NMOS
- MOS with input A is to be replaced by NMOS and MOS with input B is to be replaced by PMOS
- MOS with input A is to be replaced by PMOS and MOS with input B is to be replaced by NMOS
- MOS with input A and B are to be replaced by PMOS

Next Question

Meghanadh Reddy Bonthu

TIME LEFT: 00:33:28

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35 ☆

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QUESTION 35 GROUP Technical SECTION Basic Electronics

Mark(s): 1

A wire of resistance 10 Ω is uniformly stretched to 3 times its original length. What will be the new resistance of the wire?

- 120 Ω
- 30 Ω
- 60 Ω
- 90 Ω

Meghanadh Reddy Bonthu

TIME LEFT: 00:33:39

QUESTION: 36 GROUP: Technical SECTION: Microprocessors and Microcontrollers

Mark(s): 1

Consider the following assembly language program

```
MOV A, #42H
ADD A, #9AH
```

Find the status of CY, AC and P flag after end of the execution

- CY = 0; AC = 1; P = 0
- CY = 0; AC = 0; P = 1
- CY = 1; AC = 1; P = 0
- CY = 0; AC = 0; P = 0

Previous Question | Next Question

Instructions

Meghanadh Reddy Bonthu

TIME LEFT: 00:33:51

31

QUESTION: 35 GROUP: Technical SECTION: Basic Electronics

32

Mark(s): 1

33

A wire of resistance 10 Ω is uniformly stretched to 3 times its original length. What will be the new resistance of the wire?

34

120 Ω

35 ☆

30 Ω

36

60 Ω

37

90 Ω

38

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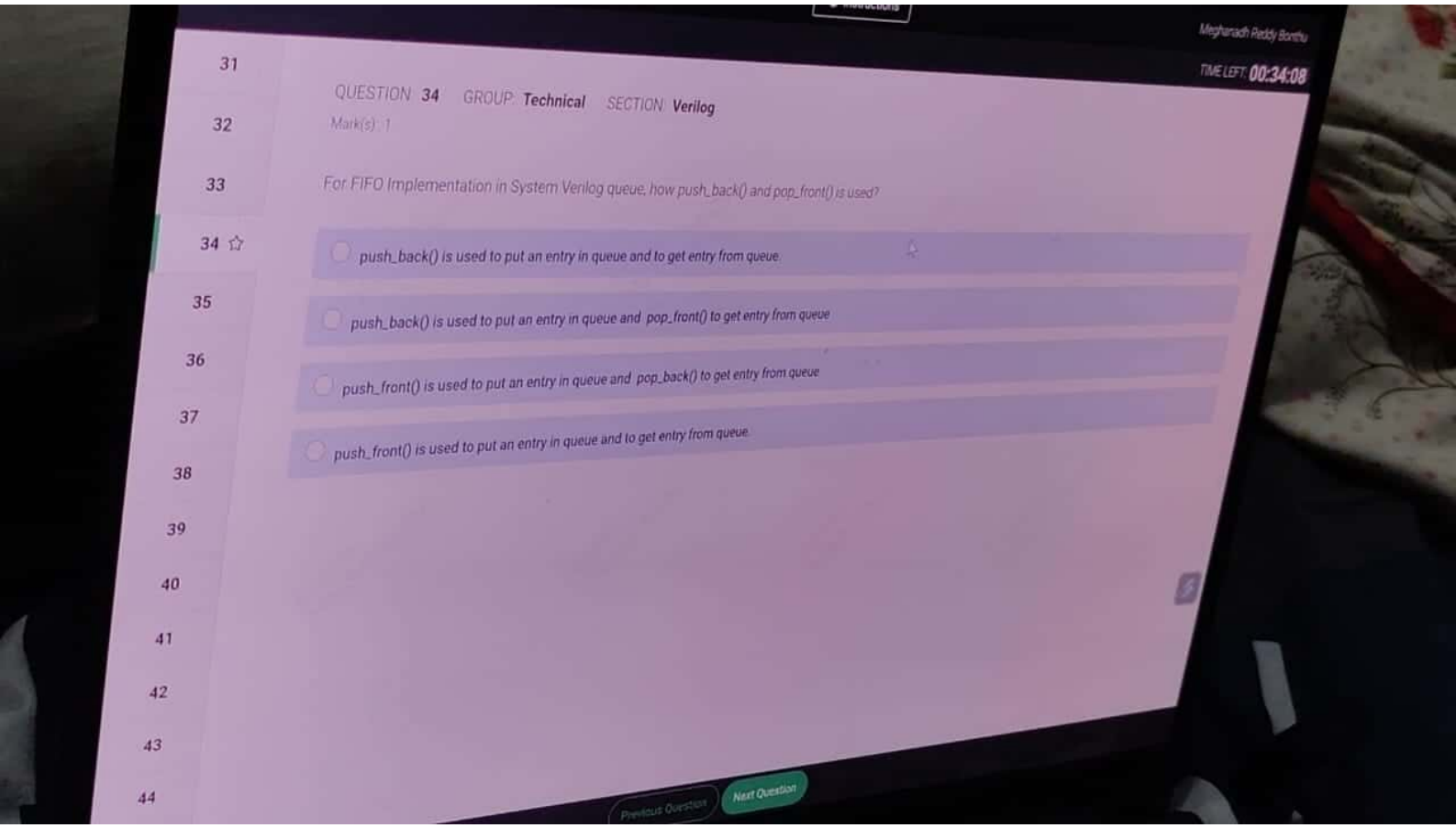
Meghanadh Reddy Bonthu
TIME LEFT: 00:34:08
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QUESTION 34 GROUP: Technical SECTION: Verilog
Mark(s) : 1
For FIFO Implementation in System Verilog queue, how push_back() and pop_front() is used?
push_back() is used to put an entry in queue and to get entry from queue.
push_back() is used to put an entry in queue and pop_front() to get entry from queue
push_front() is used to put an entry in queue and pop_back() to get entry from queue
push_front() is used to put an entry in queue and to get entry from queue.
Previous Question
Next Question

TIME LEFT: 00:34:18

QUESTION: 33 GROUP: **Technical** SECTION: **Digital Electronics**

Mark(s): 1

Which of the following equation indicate the relationship between memory cost and testing time for a digital design, take $\alpha\beta$ as constants to scale the test length and memory space?

- $C_{TOTAL} = \alpha T_G + \beta M_S$
- $C_{TOTAL} = \alpha / T_G + \beta / M_S$
- $C_{TOTAL} = \alpha / T_G + \beta M_S$
- $C_{TOTAL} = \alpha T_G + \beta / M_S$

31

32 ☆

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QUESTION: 32 GROUP: Technical SECTION: Analog Circuits

Mark(s): 1

Compared to conventional CMOS comparators, the BiCMOS comparators is preferred as it provides

- High precision
- High bandwidth
- High speed
- High gain

31 ☆

QUESTION: 31 GROUP: **Technical** SECTION: **Analog Circuits**

Mark(s): 1

Calculate the value of firing angle of an SCR half wave rectifier by using the following specification:

Forward breakdown voltage = 150V

Peak input voltage = 300V

- 30°
- 60°
- 45°
- 15°

HirePro

16 What will be the output of the program given below?

```
17 #include <stdio.h>
18 int main()
19 {
       int a = 2, b = 4;
       printf("%d ", sum(&a, &b));
20     return 0;
21 }
22 int sum(int *a1, int *b1)
23 {
       if (*a1 != *b1)
24     {
           ++*a1;
           return (sum(a1, b1) - (*b1, *a1));
25     }
26 else
       return *b1 + *a1;
27 }
```

28 Compile time error

29 32

30 ☆

Previous Question Next Question

QUESTION: 29 GROUP: Programming SECTION: CPP Programming

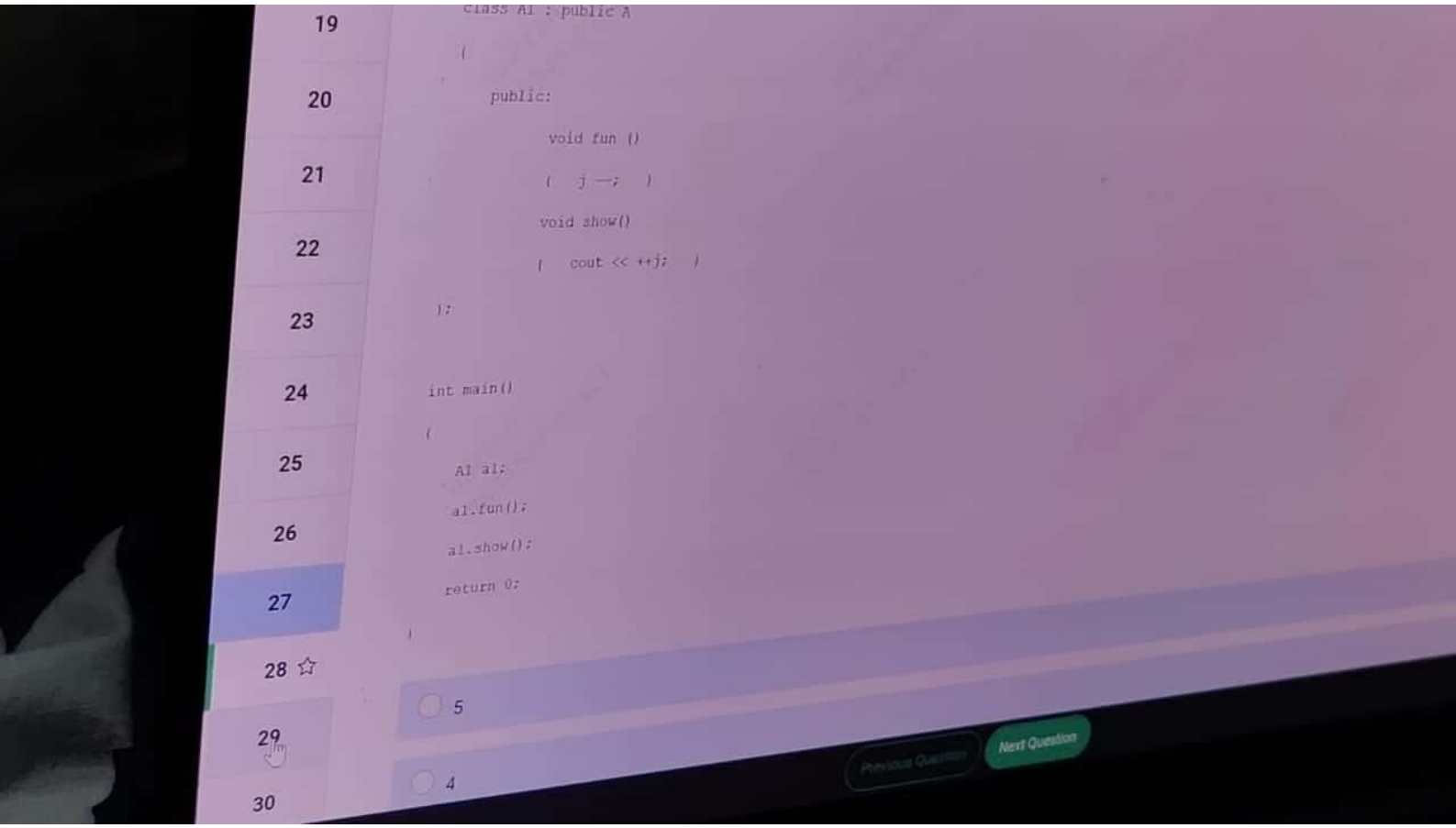
Mark(s): 1

Which of the statement(s) given below is/are correct about the friend function?

I) Friend functions are useful in operator overloading.

II) Friend functions are invoked using dot operator on operator overloading.

- Only (II)
- Neither (I) nor (II)
- Both (I) and (II)
- Only (I)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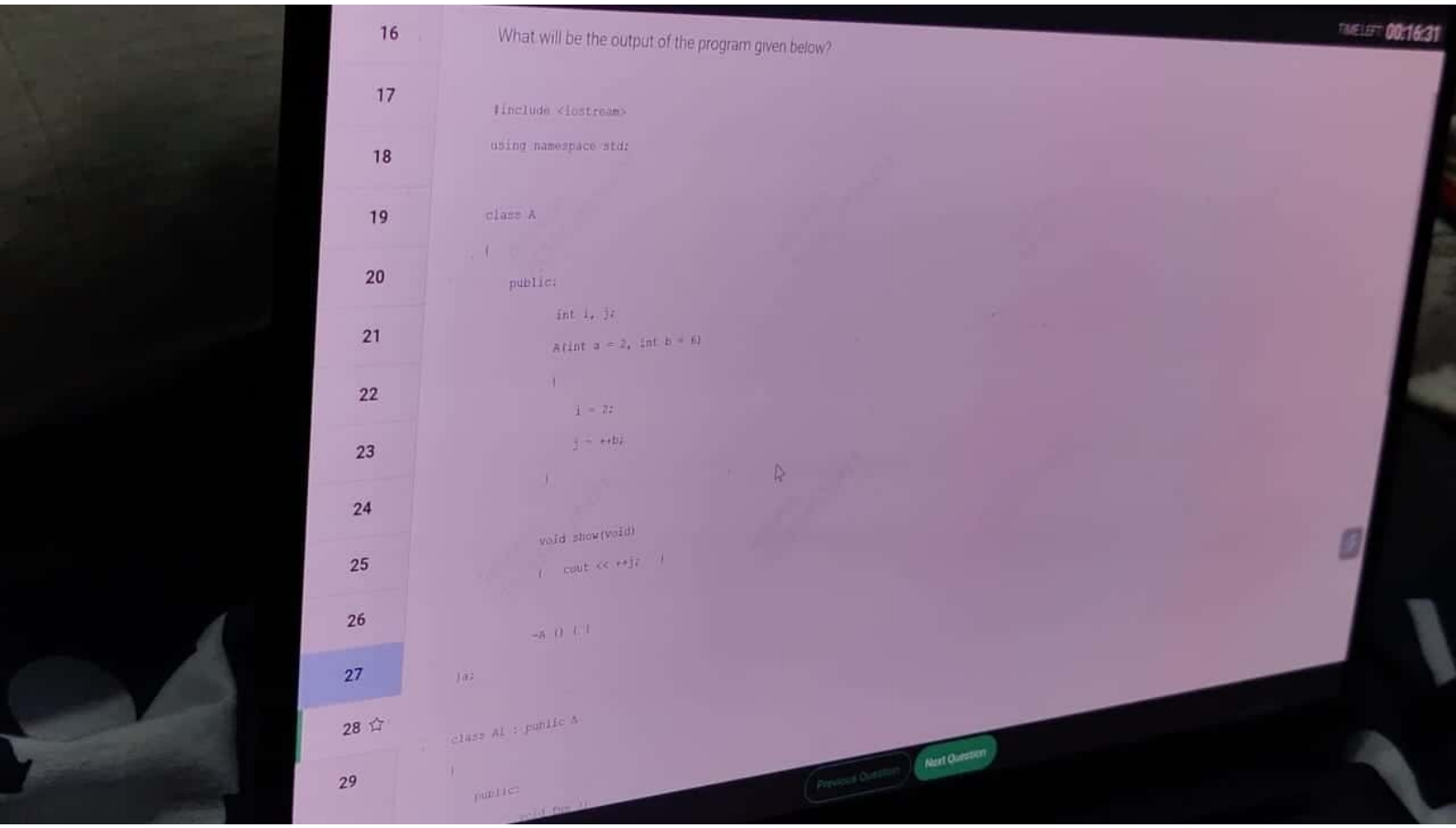
class A1 : public A
{
public:
void fun ()
{ j --; }
void show()
{ cout << ++j; }
};
int main()
{
A1 a1;
a1.fun();
a1.show();
return 0;
}
5
4
Previous Question
Next Question


16
What will be the output of the program given below?
TIME LEFT 00:16:31
17
#include <iostream>
18
using namespace std;
19
class A
20
public:
21
int i, j;
A(int a = 2, int b = 6)
22
i = a;
23
j = ++b;
24
void show(void)
25
cout << ++j;
26
~A () {}
27
};
28
class A1 : public A
29
public:
Previous Question
Next Question

QUESTION: 27 GROUP: **Programming** SECTION: **C Programming**

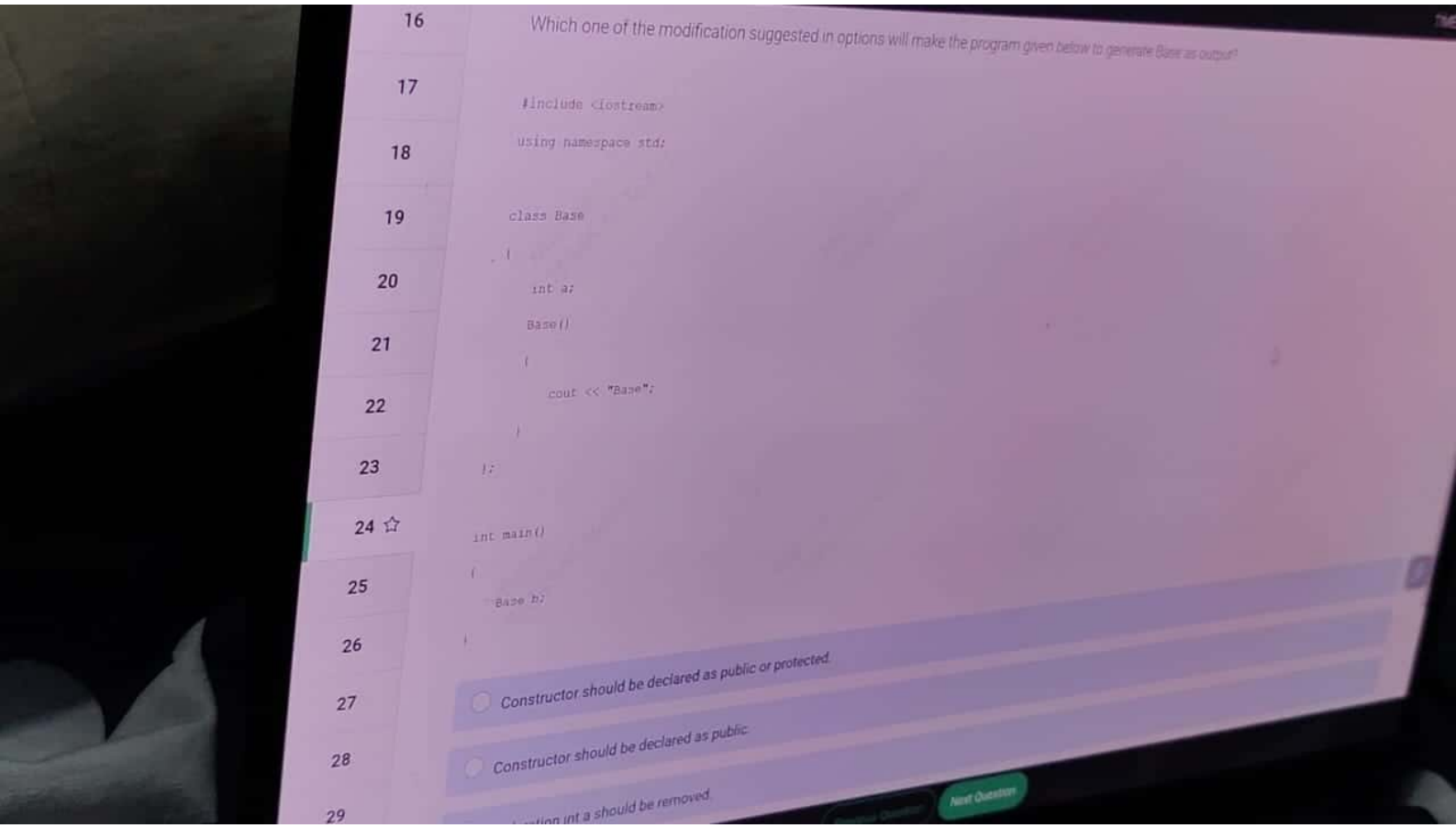
Mark(s): 1

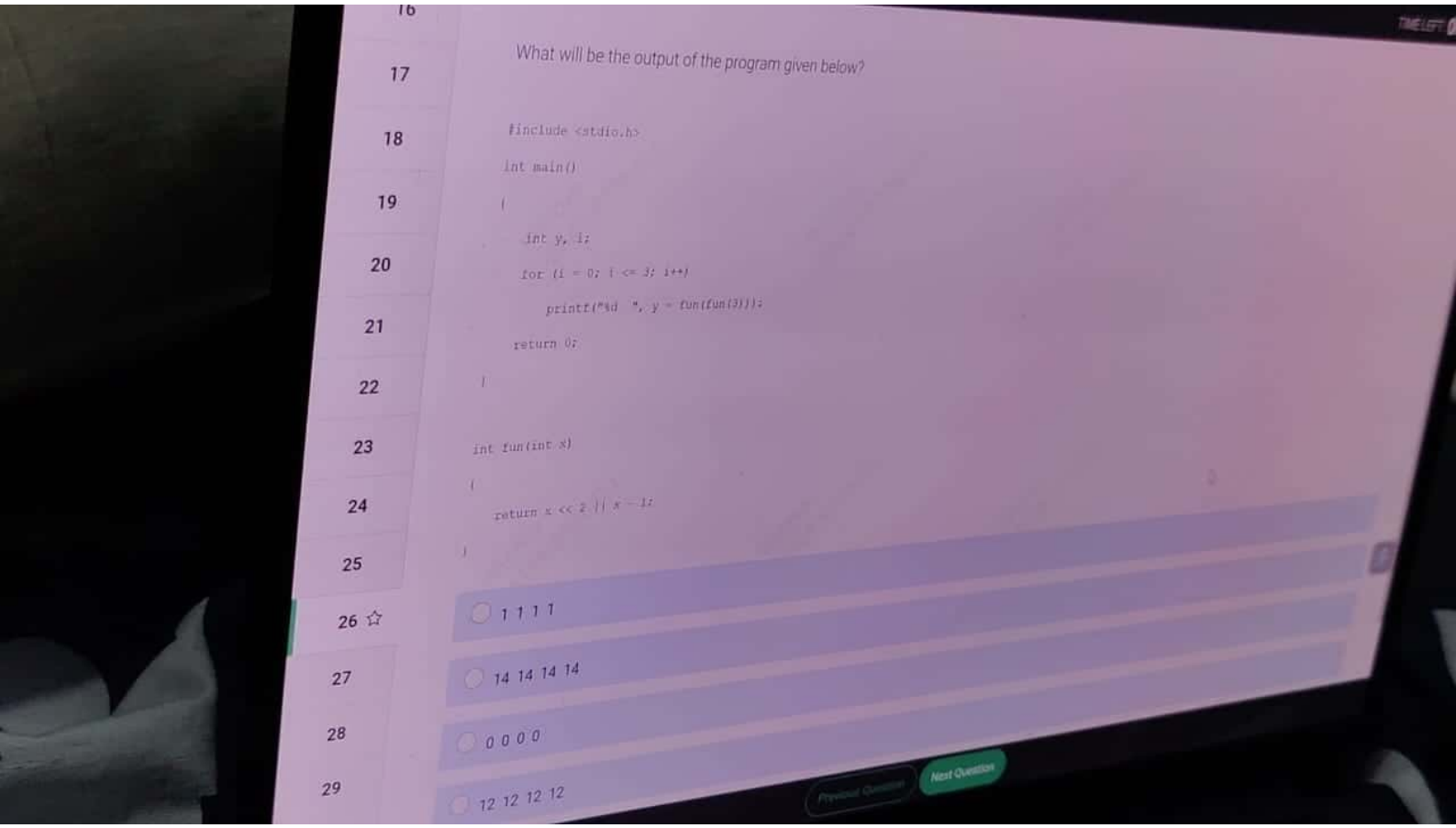
What will be the output of the program given below?

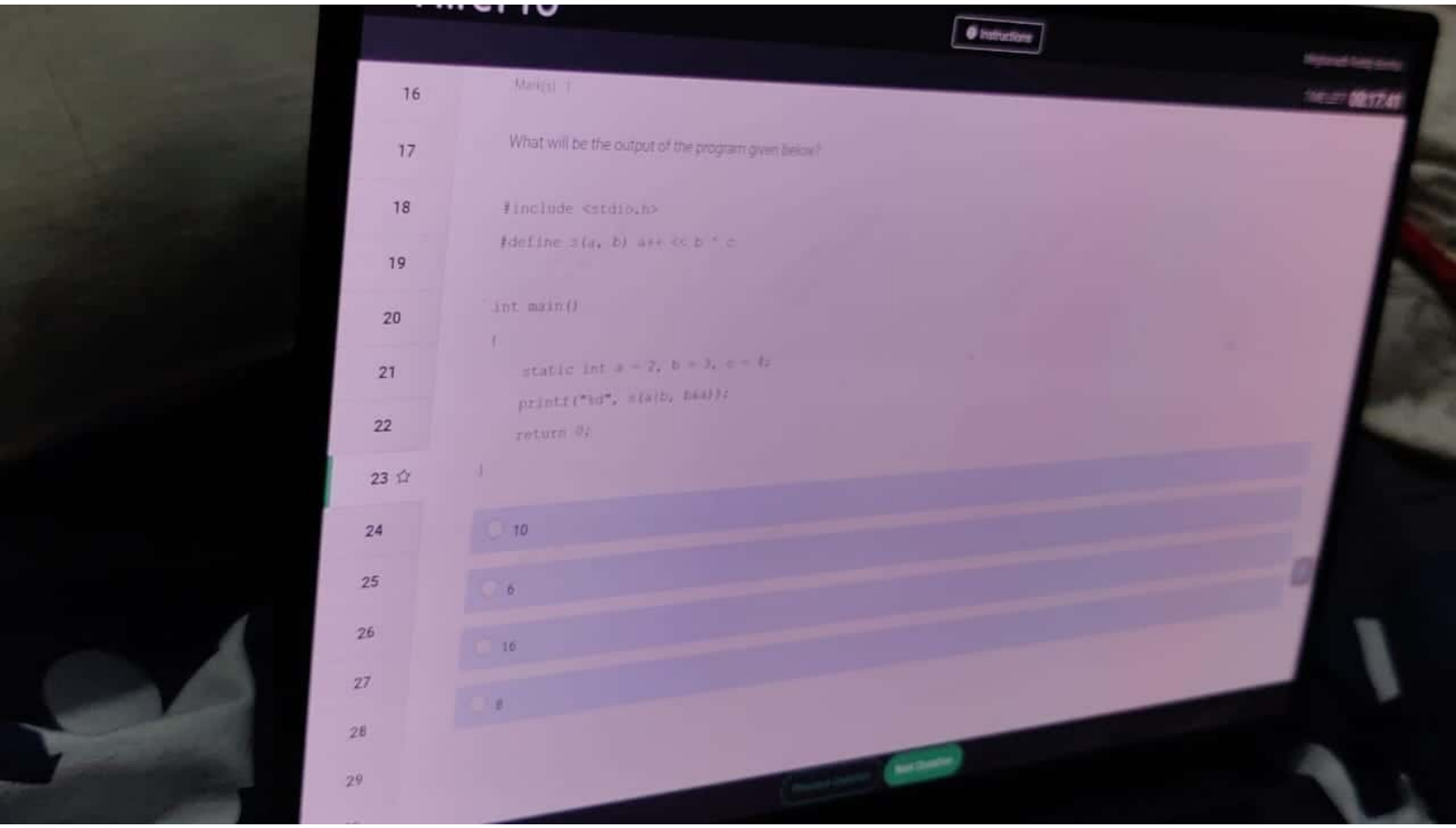
```
#include <stdio.h>
int a = 40;
int main( )
{
   int a, b = 5;
   a = b + 0;
   printf("%d", a);
   return 0;
}
```

- (●) 5
- ( ) 0
- ( ) Garbage value
- ( ) 40

Next Question


16
Which one of the modification suggested in options will make the program given below to generate Base as output?
17
#include <iostream>
18
using namespace std;
19
class Base
20
int a;
21
Base()
22
cout << "Base";
23
};
24
int main()
25
Base b;
26
27
Constructor should be declared as public or protected
28
Constructor should be declared as public
29
Next Question


16
17
What will be the output of the program given below?
18
#include <stdio.h>
int main()
19
{
int y, i;
20
for (i = 0; i <= 3; i++)
printf("%d ", y = fun(fun(3)));
21
return 0;
22
}
23
int fun(int x)
{
24
return x << 2 || x - 1;
}
25
26 ☆
1 1 1 1
27
14 14 14 14
28
0 0 0 0
29
12 12 12 12
Previous Question
Next Question


Instructions
16
17
What will be the output of the program given below?
18
#include <stdio.h>
#define s(a, b) a++ << b * c
19
20
int main()
{
21
static int a = 2, b = 3, c = 4;
22
printf("%d", s(a|b, b&a));
return 0;
23
}
24
10
25
6
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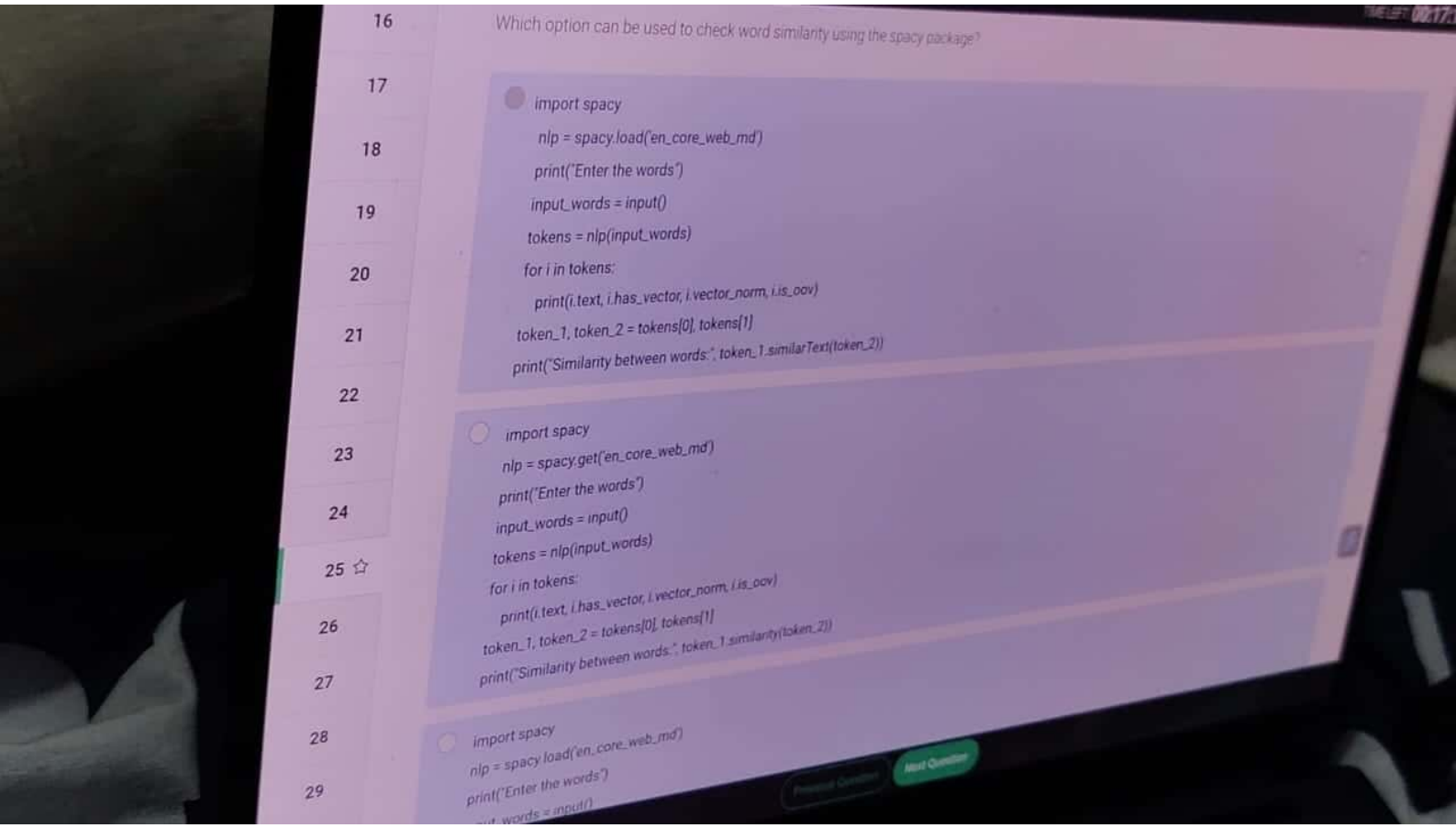
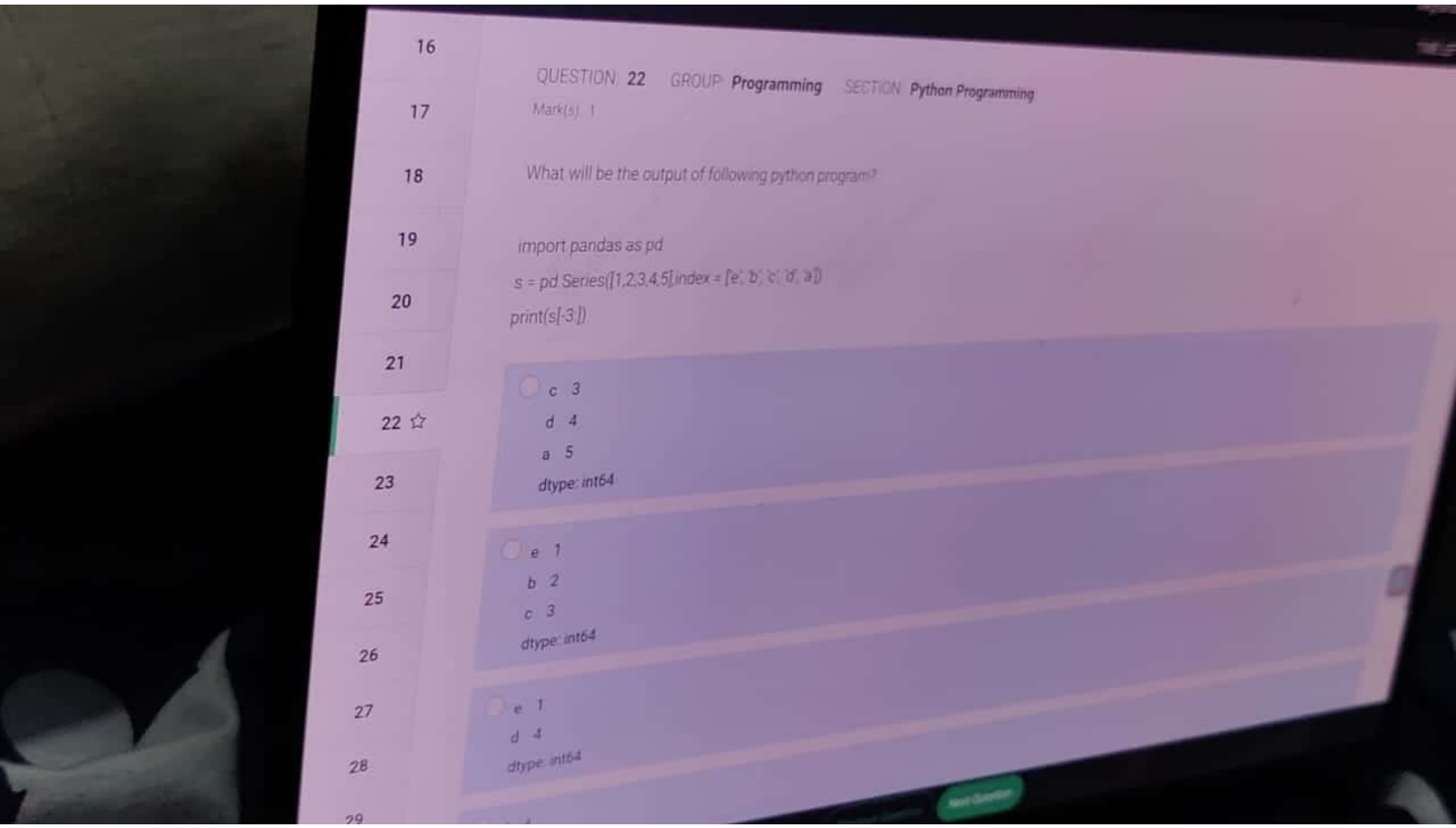

16
Which option can be used to check word similarity using the spacy package?
17
import spacy
nlp = spacy.load('en_core_web_md')
18
print("Enter the words")
19
input_words = input()
tokens = nlp(input_words)
20
for i in tokens:
print(i.text, i.has_vector, i.vector_norm, i.is_oov)
21
token_1, token_2 = tokens[0], tokens[1]
print("Similarity between words:", token_1.similarText(token_2))
22
import spacy
23
nlp = spacy.get('en_core_web_md')
print("Enter the words")
24
input_words = input()
tokens = nlp(input_words)
25
for i in tokens:
print(i.text, i.has_vector, i.vector_norm, i.is_oov)
26
token_1, token_2 = tokens[0], tokens[1]
print("Similarity between words:", token_1.similarity(token_2))
27
28
import spacy
nlp = spacy.load('en_core_web_md')
print("Enter the words")
29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QUESTION 22 GROUP Programming SECTION Python Programming
Mark(s): 1
What will be the output of following python program?
import pandas as pd
s = pd.Series([1,2,3,4,5],index = ['e', 'b', 'c', 'd', 'a'])
print(s[-3:])
c 3
d 4
a 5
dtype: int64
e 1
b 2
c 3
dtype: int64
e 1
d 4
dtype: int64

```
#include <stdio.h>
int main()
{
   int i;
   char a[]="String";
   char *p="New Sring";
   char *Temp;
   Temp = a;
   a = malloc(strlen(p) + 1);          //Line 1
   strcpy(a,p);
   p = malloc(strlen(Temp) + 1);       //Line 2
   strcpy(p,Temp);                     //Line 3
   printf("(%s, %s)",a,p);
   free(p);
   free(a);
   return 0;
}
```

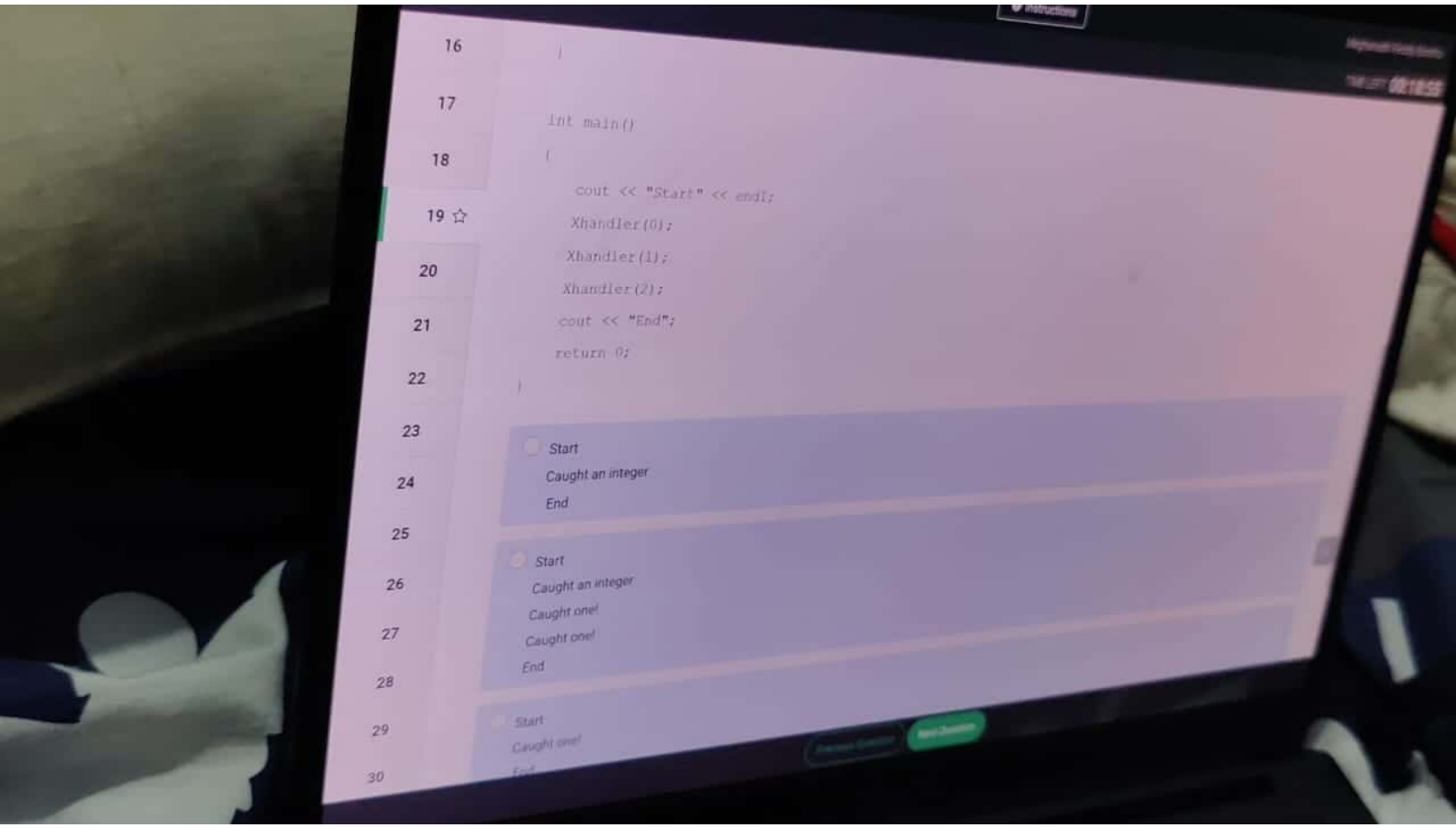
QUESTION: **20** GROUP: **Programming** SECTION: **CPP Programming**

Mark(s): 1

For which of the variable given below delete operator cannot be used?

```
I) int *one =  new int;
II) int *one = NULL;
```

- Neither (I) nor (II)
- Both (I) and (II)
- Only (II)
- Only (I)


16
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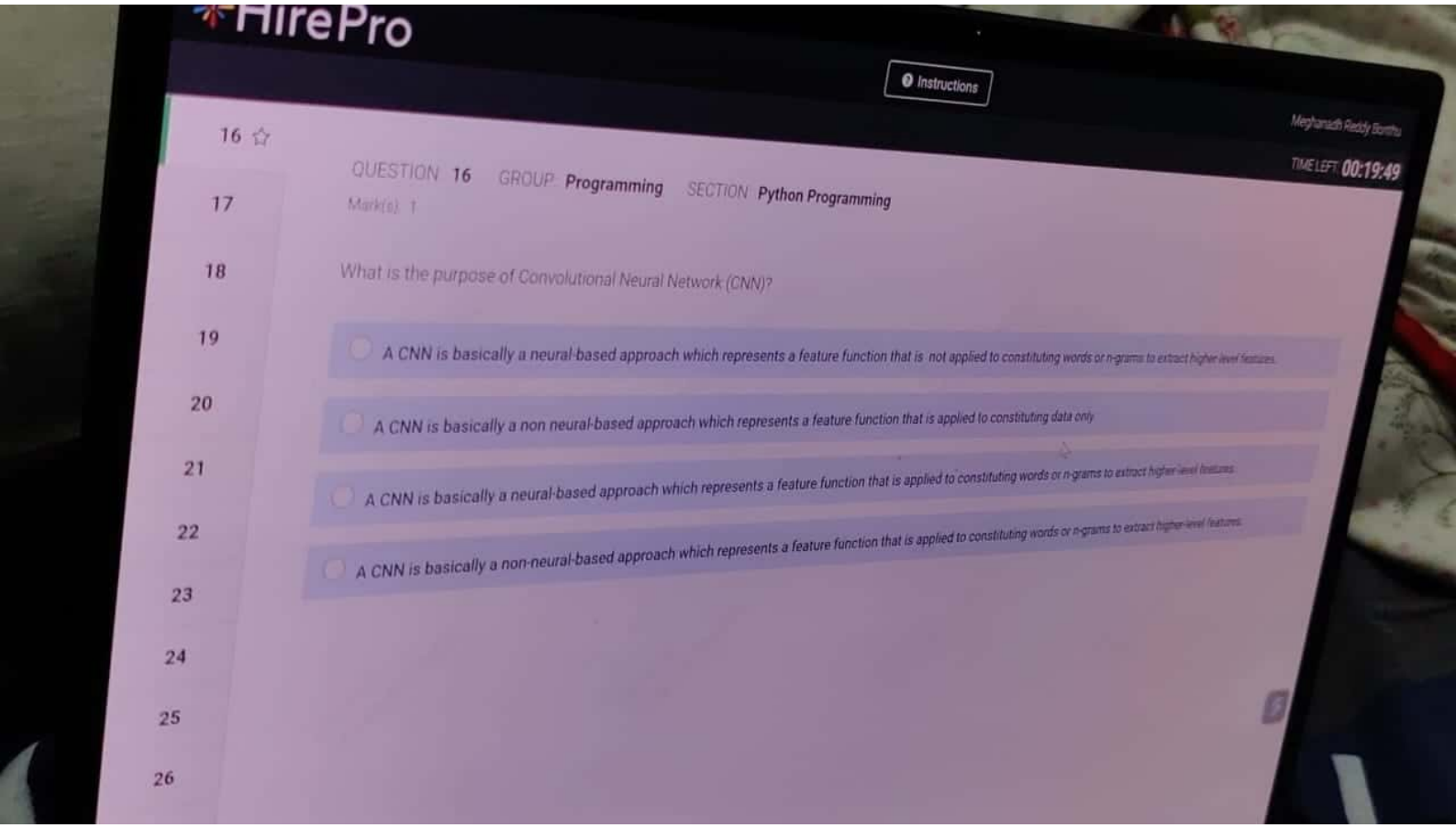
28
29
30
int main()
{
cout << "Start" << endl;
Xhandler(0);
Xhandler(1);
Xhandler(2);
cout << "End";
return 0;
}
Start
Caught an integer
End
Start
Caught an integer
Caught one!
Caught one!
End
Start
Caught one!


HirePro
Instructions
Meghanadh Reddy Bontha
TIME LEFT 00:19:49
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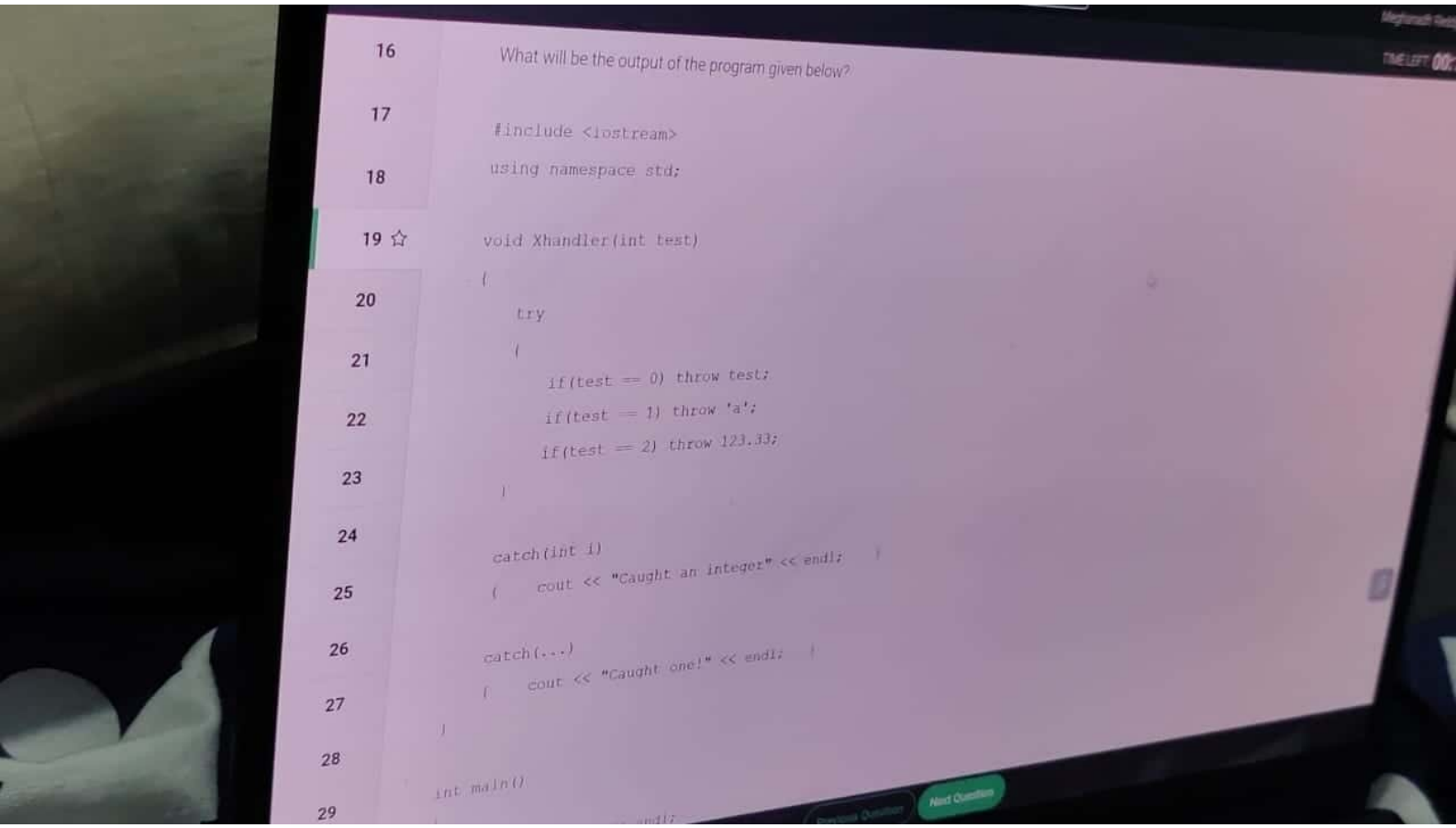
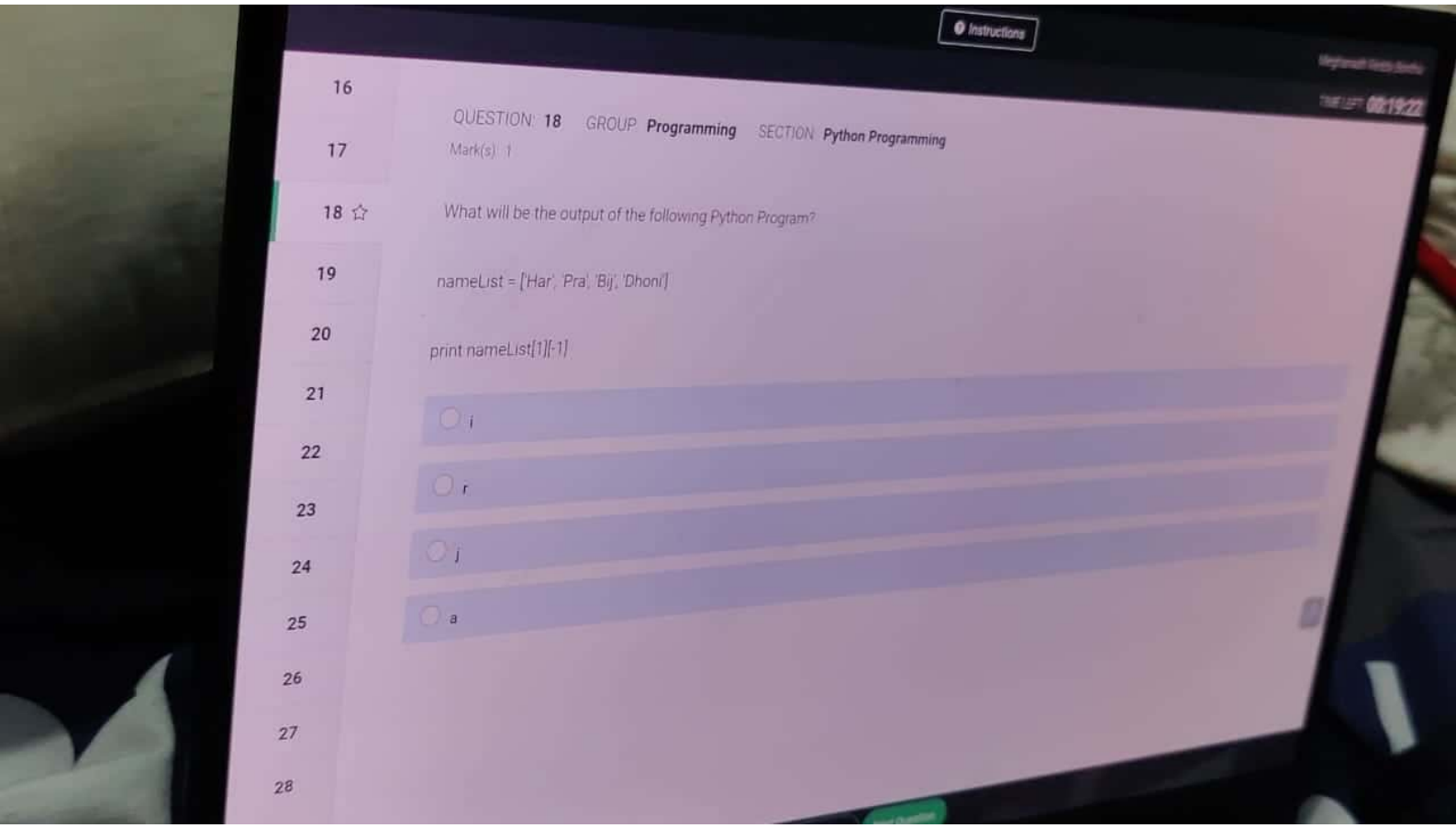
QUESTION 16 GROUP Programming SECTION Python Programming
Mark(s) 1
What is the purpose of Convolutional Neural Network (CNN)?
A CNN is basically a neural-based approach which represents a feature function that is not applied to constituting words or n-grams to extract higher-level features.
A CNN is basically a non neural-based approach which represents a feature function that is applied to constituting data only.
A CNN is basically a neural-based approach which represents a feature function that is applied to constituting words or n-grams to extract higher-level features.
A CNN is basically a non-neural-based approach which represents a feature function that is applied to constituting words or n-grams to extract higher-level features.


16
What will be the output of the program given below?
17
#include <iostream>
18
using namespace std;
19
void Xhandler(int test)
{
20
try
{
21
if(test == 0) throw test;
22
if(test == 1) throw 'a';
if(test == 2) throw 123.33;
23
}
24
catch(int i)
25
{ cout << "Caught an integer" << endl;
26
catch(...)
{ cout << "Caught one!" << endl;
27
}
28
int main()
29
TIME LEFT
Next Question


Instructions
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QUESTION: 18 GROUP: Programming SECTION: Python Programming
Mark(s): 1
What will be the output of the following Python Program?
nameList = ['Har', 'Pra', 'Bij', 'Dhoni']
print nameList[1][-1]
i
r
j
a

16 Which option can be used to compute the similarity between two text documents?

17 ☆

```
import difflib as dl

f1 = file('file').read()
f2 = file('file1').read()

_____ # line1
s = 0
wf1 = f1.split()
wf2 = f2.split()

for i in wf1:
    if sim(i, wf2):
        _____ # line2

n = float(s) / float(len(wf1))
print('%d%% similarity' % int(n * 100))
```

- line1: sim = dl.get_close_matches
- line2: s += 2

matches

Instructions

Meghanadh Reddy Bonthu

TIME LEFT: 00:05:14

1 2 3 4 ☆ 5 6 7 8 9 10 11

**Direction:** Read the following information and answer the question that follows.

The types of accounts a person can open in a bank are savings account, current account, fixed deposit account and recurring deposit account. The types of loans that the bank sanctions are personal loans, home loans, car loans, education loans and business loans. The types of insurance that the bank provides are health insurance, property insurance and vehicle insurance.

(I) A person cannot take more than two loans. If a person wants a home loan, he has to open one fixed deposit account.

(II) If a person wants a car loan, he has to take up vehicle insurance. A person taking up a property insurance or education loan cannot open a recurring deposit account.

(III) If a person opens two or more deposit accounts, he has to take up a health insurance. If a person wants a personal loan, he cannot take a home loan.

(IV) If a person wants an education loan, he has to open a current account. A person taking a business loan cannot take other loans.

(V) A person taking a personal loan or business loan has to take a health insurance and open a deposit account.

**Question:** Aditya wants a home loan and a recurring deposit account. Which of the below given services has to be availed by him?

(I) Health insurance

(II)Fixed deposit accounts

(III) Property insurance

(IV) Current account

- (I) and (III) only

Instructions

QUESTION: 3 GROUP: **Aptitude** SECTION: **Attention to Details**

Mark(s): 1

If it is possible to form a meaningful word with the third, sixth and seventh letters of the word '**ASPARAGUS**' then w
word? If more than one such words can be formed then your answer will be X. And if no such word can be formed then

P

Y

X

G

Previous Question Next Question

Instructions

QUESTION: **15** GROUP **Aptitude** SECTION **Attention to Details**

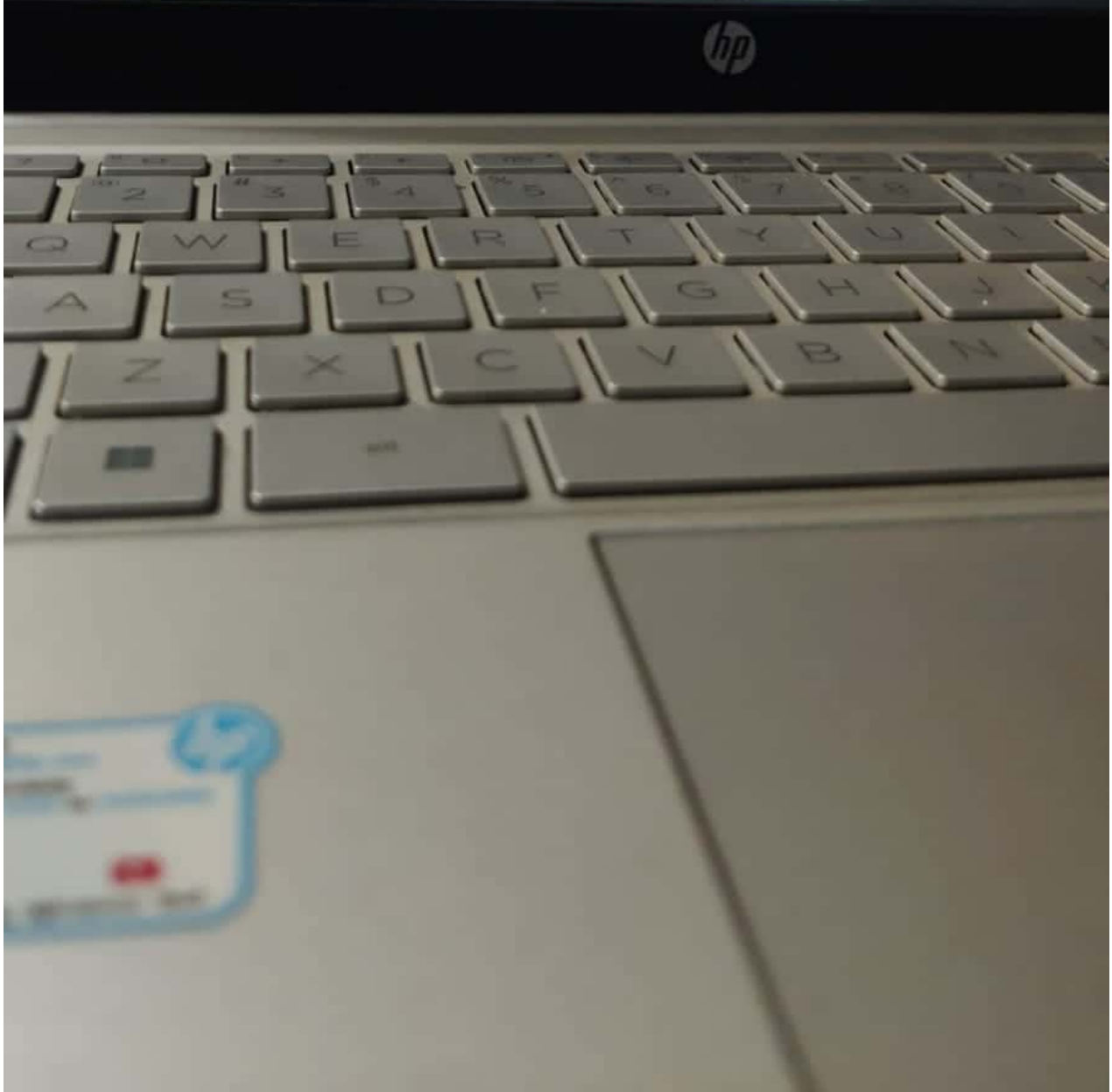
Mark(s): 1

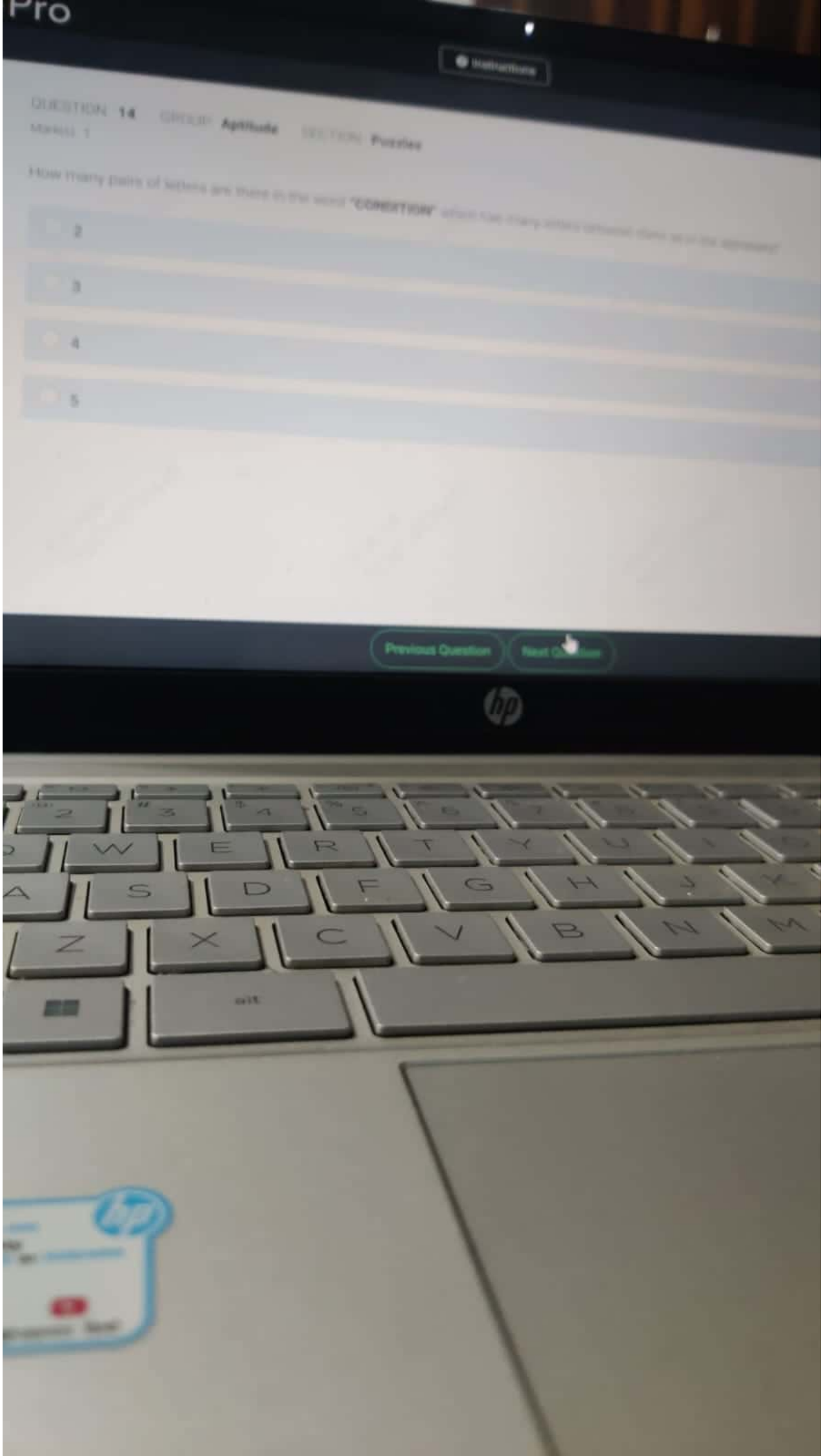
If M – N means M is the brother of N, M + N means M is the mother of N, M # N means M's wife is N, M $ N means M is

related to 'C' in the expression of **(C – B + A – D)** and **(D $ F # B)**

- Cousin
- Son-in-law
- Son
- Nephew

Previous Question Next Question




Pro
QUESTION 14
Aptitude
Puzzles
How many pairs of letters are there in the word "CORRITORW"
2
3
4
5
Previous Question
hp
W
E
R
T
Y
A
S
D
F
G
H
Z
X
C
V
B
N
M
alt

Instructions

QUESTION: 13 GROUP: Aptitude SECTION: Data Analysis

Marks: 1

**Direction:** Read the following information and answer the question given below.

ABC Teikpo Pvt. Ltd. is one of the leading textile exporters of India. Following is the table showing export detail of cloths from 2010 to 2012.

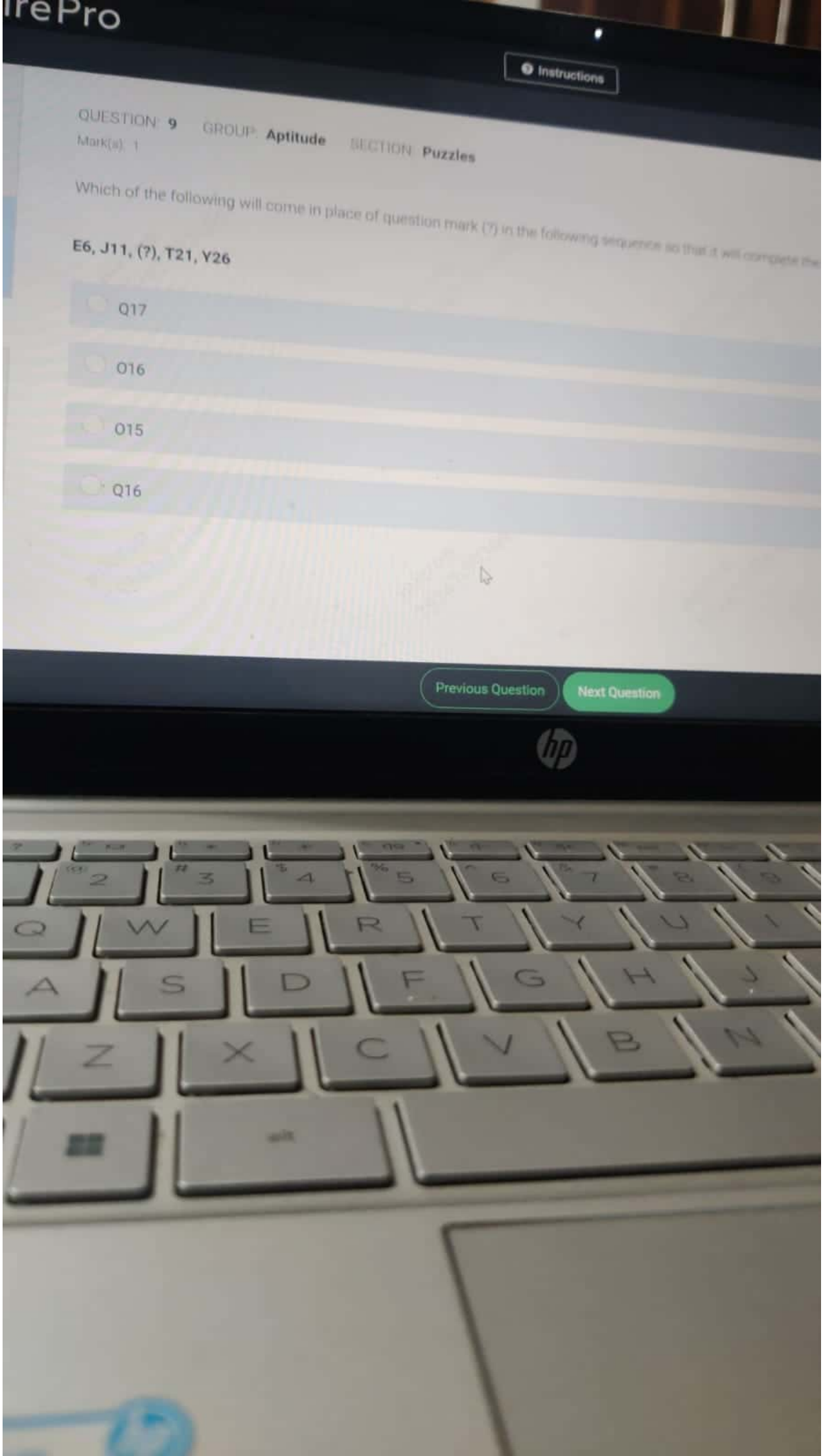
| Countries | Exports in ($ Million) | | |
|---|---|---|---|
| | 2010 | 2011 | 2012 |
| UAE | 6 | 7 | 7.5 |
| USA | 5 | 6 | 6.5 |
| Germany | 5.5 | 5 | 6 |
| France | 4 | 5 | 6 |
| Italy | 3 | 4 | 5.5 |

**Question:** For how many countries ABC Teikpo Pvt. Ltd. accounted continuously positive growth in export during the

3

2

Previous Question Next Question


rePro
Instructions
QUESTION: 9 GROUP: Aptitude SECTION: Puzzles
Mark(s): 1
Which of the following will come in place of question mark (?) in the following sequence so that it will complete the
E6, J11, (?), T21, Y26
Q17
O16
O15
Q16
Previous Question
Next Question

Instructions

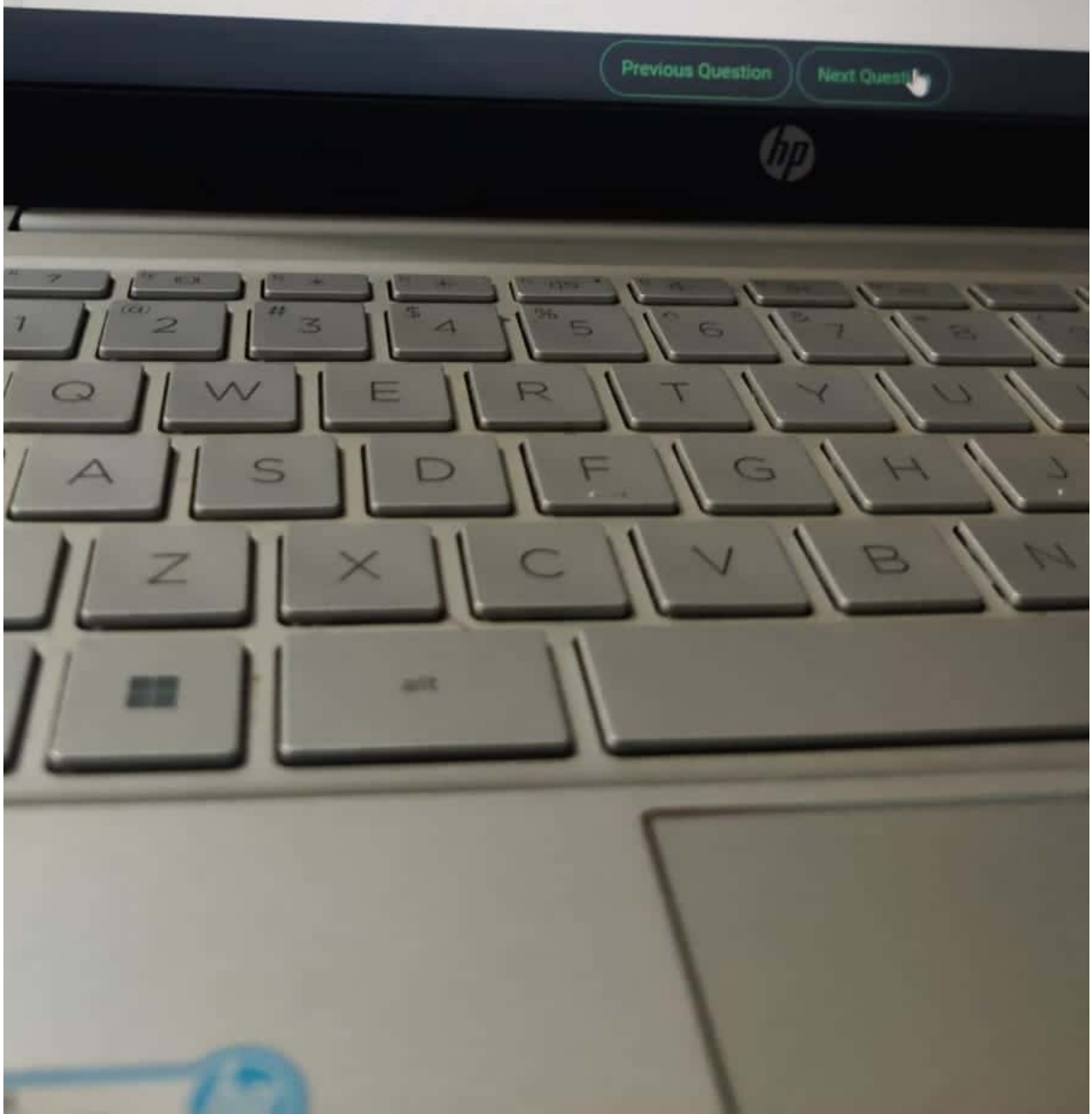
QUESTION: **10** GROUP: **Aptitude** SECTION: **Problem Solving**

Mark(s): 1

In a university, the average area of the rooms in the Chemistry and Maths departments together is 25 $m^2$ together is 27.5 $m^2$ and in the Maths and Physics departments together is 35 $m^2$. If there are 3 times as Chemistry department, find the average area of the rooms in all the three departments together.

- 30 $m^2$
- 32.5 $m^2$
- 27.5 $m^2$
- 28 $m^2$

Previous Question Next Quest



Instructions

QUESTION: 12 GROUP: Aptitude SECTION: Data Analysis

Mark(s): 1

**Direction:** Read the following information and answer the question given below.

ABC TeXpo Pvt. Ltd. is one of the leading textile exporters of India. Following is the table showing export detail of company from 2010 to 2012.

| Countries | Exports in ($ Million) | | |
|---|---|---|---|
| | 2010 | 2011 | 2012 |
| UAE | 6 | 7 | 7.5 |
| USA | 5 | 6 | 6.5 |
| Germany | 5.5 | 5 | 6 |
| France | 4 | 5 | 6 |
| Italy | 3 | 4 | 3.5 |

**Question:** What is the total export of ABC TeXpo during the given three years?

- $ 78 million
- $ 81.5 million

Previous Question Next Question

QUESTION 11 GROUP Aptitude SECTION Data Sufficiency

Mark(s) 1

**Direction:** The question is followed by two statements (I) and (II). Answer each question using the following in

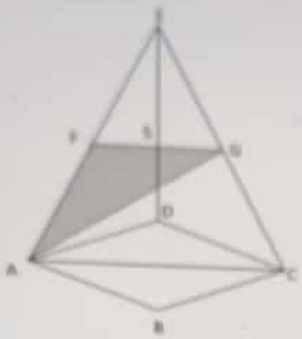
**Choose (A):** If the question can be answered by using one of the statements alone, but can not be answered

**Choose (B):** If the question can be answered by using either of the statements alone

**Choose (C):** If the question can be answered by using both statements together

**Choose (D):** If the question can not be answered even by using both statements together

Find the area of a shaded region in the following diagram




Previous Question Next Question

TIME LEFT 00:16:44

QUESTION: 13 GROUP: **Aptitude** SECTION: **Attention to Details**

Mark(s): 1

Below table represents the letters and their numeric codes followed by some conditions

| Numbers | 4 | 7 | 1 | 6 | 3 | 9 | 2 | 0 | 5 |
|---|---|---|---|---|---|---|---|---|---|
| Codes | # | @ | ^ | & | % | $ | * | ? | = |

**Conditions:**

I. If the middle most number is a prime number then it is coded as ₹

II. If the first number is even and last number is odd both are to be coded as +

III. If the first number and last number is even both are to be coded as Δ

Then the code of the number 4562013:

- +=&?*%
- +=&*?^+
- +=&?^+
- +=&?^%

Previous Question | Next Question

Instructions

Meghanadh Reddy Bonthu

TIME LEFT: 00:16:34

QUESTION: 14 GROUP: Aptitude SECTION: Puzzles

Mark(s): 1

Mr. A is walking towards East, after walking 25 m, he took his right and walked 12 m. Again he turned 90 degree towards his right and walked another 30 m. What is the minimum possible distance from his starting point and the final position and in which direction is he travelling with respect to his starting point?

- 13 m, South-West
- 17 m, South
- 13 m, North-East
- 30 m, South-West

QUESTION: **15** GROUP: **Aptitude** SECTION: **Data Sufficiency**

Mark(s): 1

**Direction**: The question is followed by two statements (I) and (II). Answer the question using the following instructions

Mark (A) if the question can be answered by one of the statements alone but not by the other.

Mark (B) if the question can be answered by using either statement alone.

Mark (C) if the question can be answered using both statements together, but can not be answered using either statements alone.

Mark (D) if the question cannot be answered.

What is the probability of picking four blue balls from a bag of 59 balls containing 26 white balls?

(I) The number of white balls in the bag is thrice the number of red balls in the bag.

(II) The number of green balls in the bag is two less than the number of blue balls in the bag. There are balls of five different colours in the bag.

- (B)
- (C)
- (D)
- (A)

QUESTION 12 GROUP Aptitude SECTION Puzzles

Mark(s) 1

How many parallelograms are there in the following figure?

- 8
- 6
- 12
- 16

| Year | JEE | | NEET | |
|---|---|---|---|---|
| | Number of candidates appeared | % of candidates cleared the exam | Number of candidates appeared | % of candidates cleared the exam |
| 2011 | 200 | 20% | 300 | 10% |
| 2012 | 250 | 30% | 450 | 20% |
| 2013 | 350 | 40% | 200 | 15% |
| 2014 | 450 | 10% | 400 | 30% |
| 2015 | 300 | 30% | 500 | 20% |

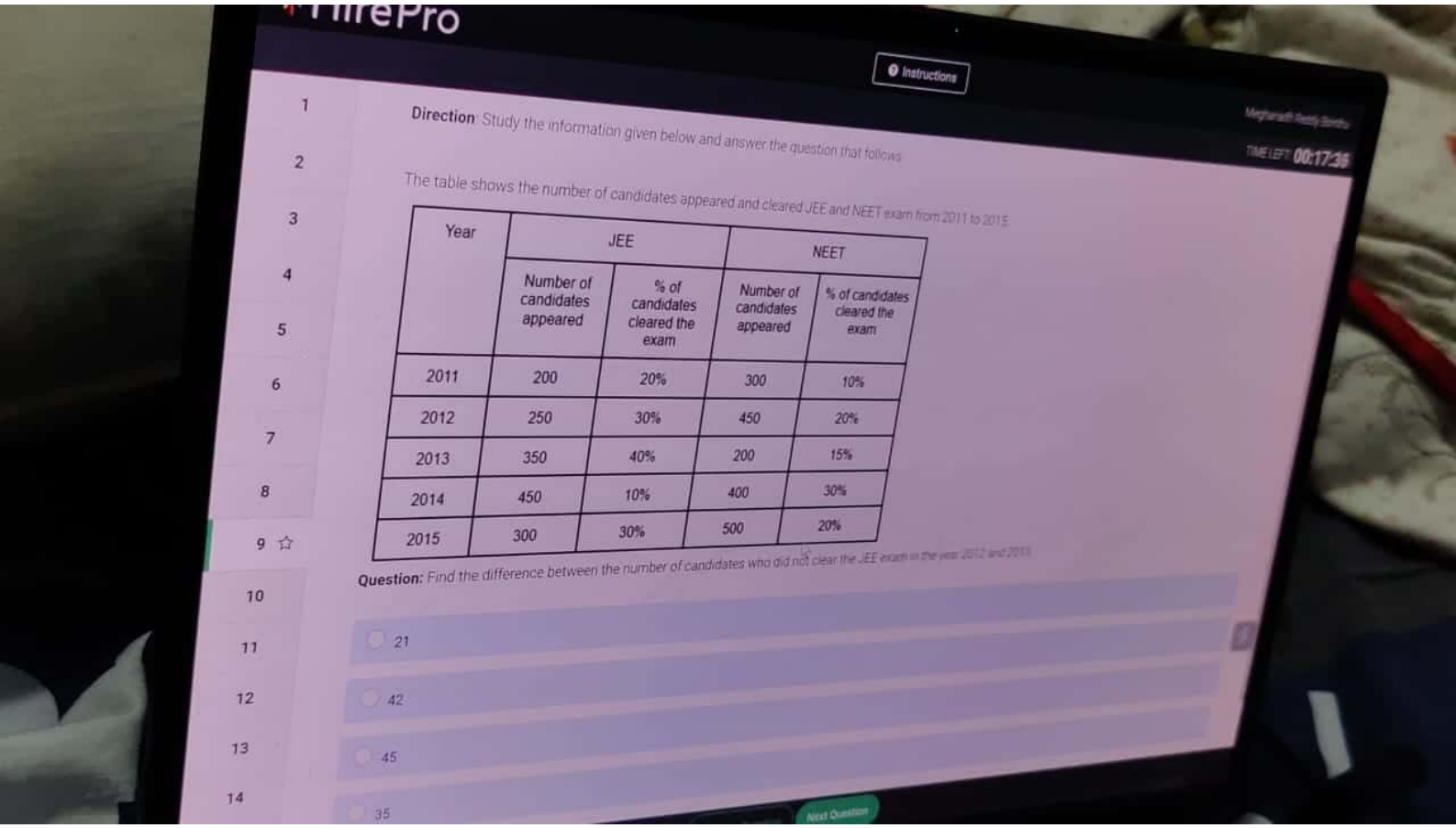
**Question:** The number of candidates who did not clear JEE exam in 2014 is what percent of candidates who did not clear NEET exam in the same year?

- 144.64%
- 152.22%
- 162.45%
- 158.67%

2 3 4 5 6 7 8 9 10 ☆ 11 12 13 14 15

TIME LEFT 00:1

Previous Question Next Question


HirePro
Instructions
1
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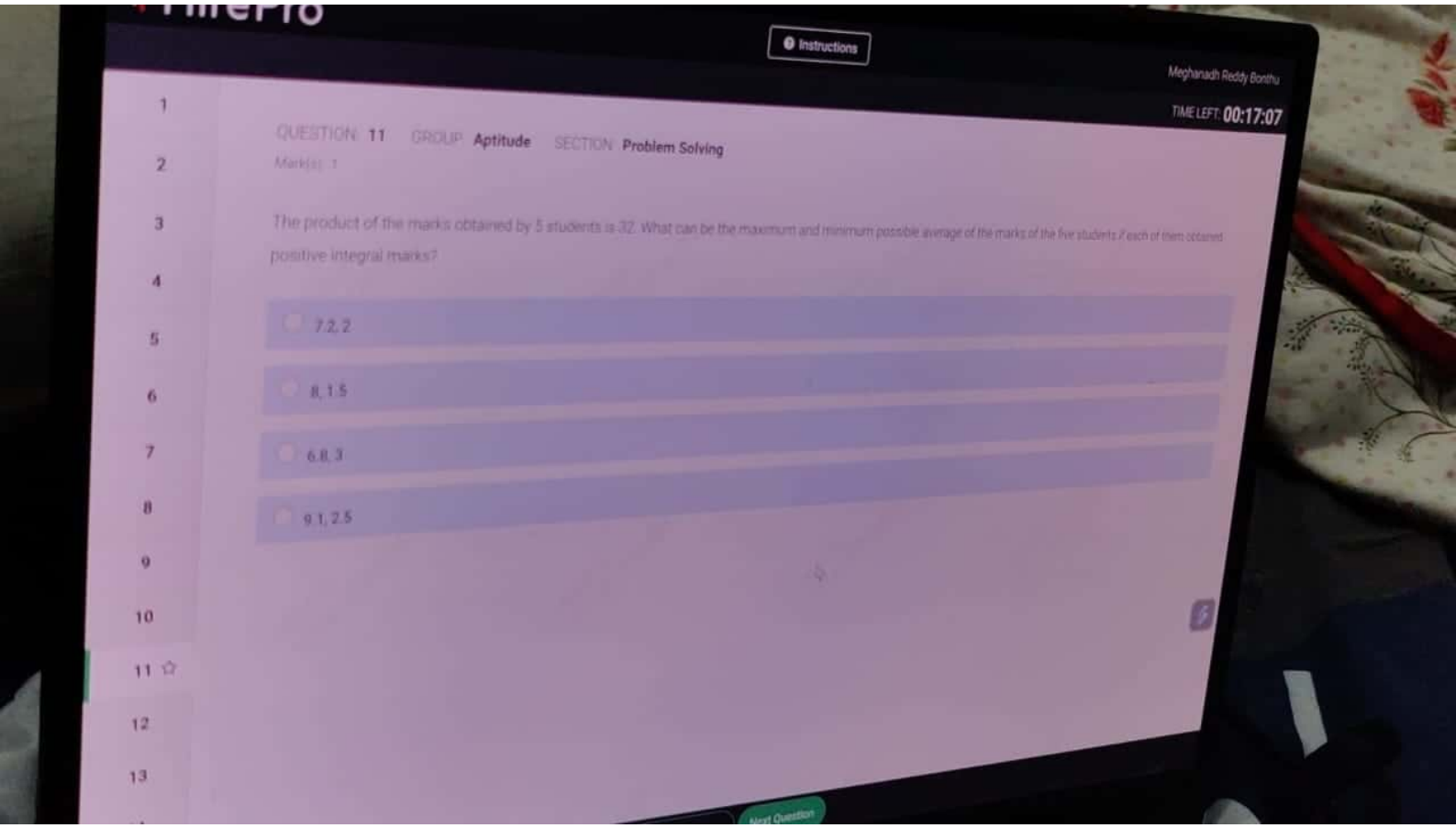
14
Direction: Study the information given below and answer the question that follows
The table shows the number of candidates appeared and cleared JEE and NEET exam from 2011 to 2015.
Year
JEE
NEET
Number of candidates appeared
% of candidates cleared the exam
Number of candidates appeared
% of candidates cleared the exam
2011 200 20% 300 10%
2012 250 30% 450 20%
2013 350 40% 200 15%
2014 450 10% 400 30%
2015 300 30% 500 20%
Question: Find the difference between the number of candidates who did not clear the JEE exam in the year 2012 and 2013.
21
42
45
35
TIME LEFT 00:17:36
Next Question


Instructions
Meghanadh Reddy Bonthu
TIME LEFT: 00:17:07
QUESTION: 11 GROUP: Aptitude SECTION: Problem Solving
Mark(s): 1
The product of the marks obtained by 5 students is 32. What can be the maximum and minimum possible average of the marks of the five students if each of them obtained positive integral marks?
7.2, 2
8, 1.5
6.8, 3
9.1, 2.5
Next Question

HirePro

Instructions

Meghanadh Reddy Bonthu

TIME LEFT: 00:18:53

**Direction:** Read the following information and answer the question that follows.

The types of accounts a person can open in a bank are savings account, current account, fixed deposit account and recurring deposit account. The types of loans that the bank sanctions are personal loans, home loans, car loans, education loans and business loans. The types of insurance that the bank provides are health insurance, property insurance and vehicle insurance.

(I) A person cannot take more than two loans. If a person wants a home loan, he has to open one fixed deposit account.

(II) If a person wants a car loan, he has to take up vehicle insurance. A person taking up a property insurance or education loan cannot open a recurring deposit account.

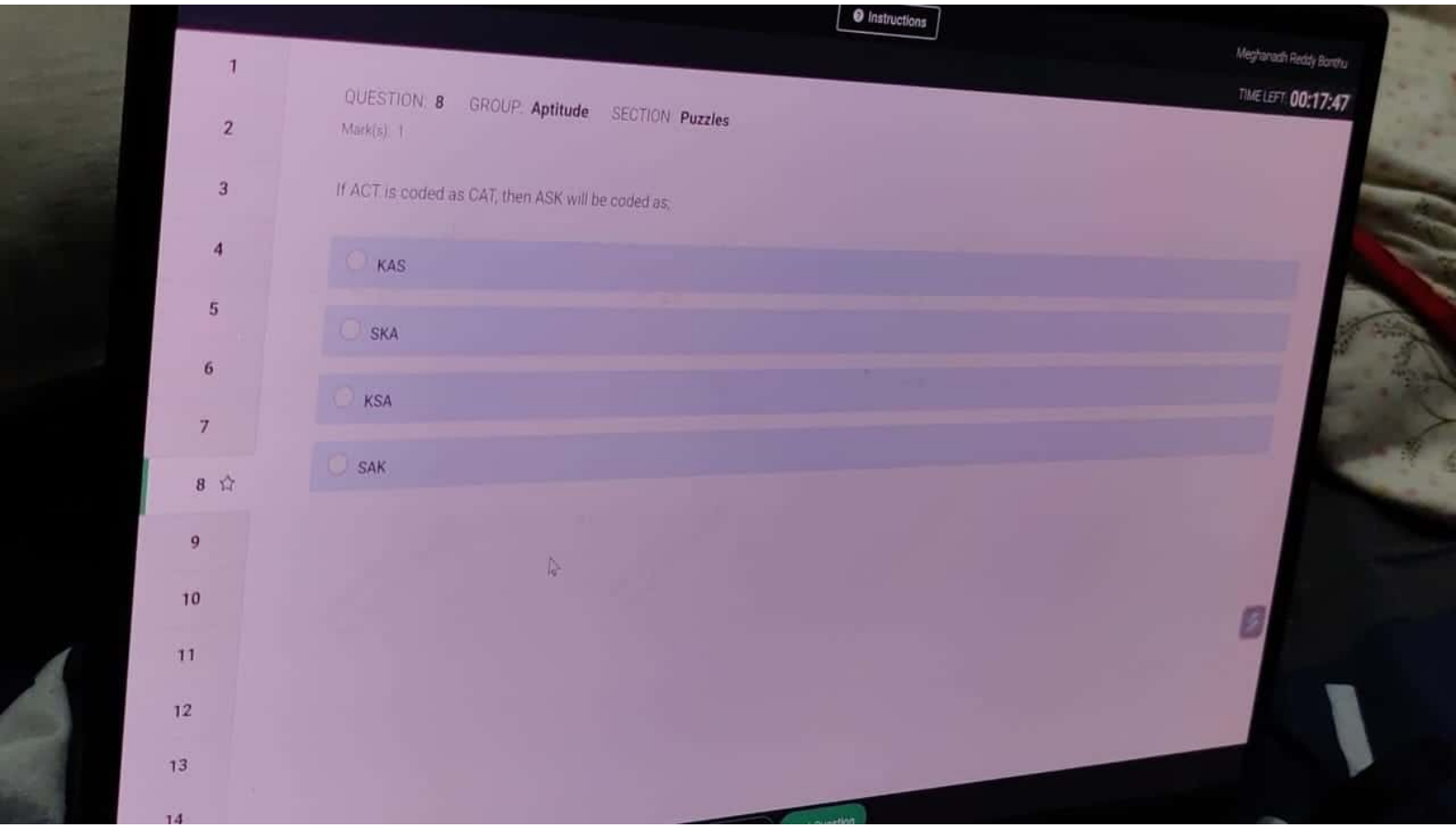
(III) If a person opens two or more deposit accounts, he has to take up a health insurance. If a person wants a personal loan, he cannot take a home loan.

(IV) If a person wants an education loan, he has to open a current account. A person taking a business loan cannot take other loans.

(V) A person taking a personal loan or business loan has to take a health insurance and open a deposit account.

**Question:** Rani wants a business loan and a property insurance. What other service can she avail?

- Fixed deposit account
- Home loan
- Car loan


Instructions
Meghanadh Reddy Bonthu
TIME LEFT: 00:17:47
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14
QUESTION: 8 GROUP: Aptitude SECTION: Puzzles
Mark(s): 1
If ACT is coded as CAT, then ASK will be coded as;
KAS
SKA
KSA
SAK

Instructions

Meghanadh Reddy Bonthu

TIME LEFT: 00:18:30

1

2

3

4

5

6 ☆

7

8

9

10

11

12

QUESTION: 6 GROUP: **Aptitude** SECTION: **Problem Solving**

Mark(s): 1

Alloy A is composed of copper and zinc in the ratio 3:7 and alloy B also with the same two in the ratio 11:9. if 60 kg of alloy X is formed by mixing alloys A and B in which copper and zinc are in the ratio 9:11, then how much (in kg) of alloy B is taken to form X?

- 36
- 24
- 45
- 30

Instructions

Meghanadh Reddy Bonthu

TIME LEFT: 00:17:57

QUESTION 7 GROUP Aptitude SECTION Problem Solving

Mark(s): 1

Four years ago, the average age of a family (Father, Mother, Son and daughter) was 30 years. Son got married and a child was born, now the average age of the family is 27 years. What is the sum of the present ages of daughter-in-law and their child?

- 26 years
- 28 years
- 30 years
- 24 years

Instructions

TIME LEFT: 00:19:13

1 2 3 4 ☆ 5 6 7 8 9 10 11 12

**Direction:** Read the following information and answer the question that follows.

The types of accounts a person can open in a bank are savings account, current account, fixed deposit account and recurring deposit account. The types of loans that the bank sanctions are personal loans, home loans, car loans, education loans and business loans. The types of insurance that the bank provides are health insurance, property insurance and vehicle insurance.

(I) A person cannot take more than two loans. If a person wants a home loan, he has to open one fixed deposit account.

(II) If a person wants a car loan, he has to take up vehicle insurance. A person taking up a property insurance or education loan cannot open a recurring deposit account.

(III) If a person opens two or more deposit accounts, he has to take up a health insurance. If a person wants a personal loan, he cannot take a home loan.

(IV) If a person wants an education loan, he has to open a current account. A person taking a business loan cannot take other loans.

(V) A person taking a personal loan or business loan has to take a health insurance and open a deposit account.

**Question:** Aditya wants a home loan and a recurring deposit account. Which of the below given services has to be availed by him?

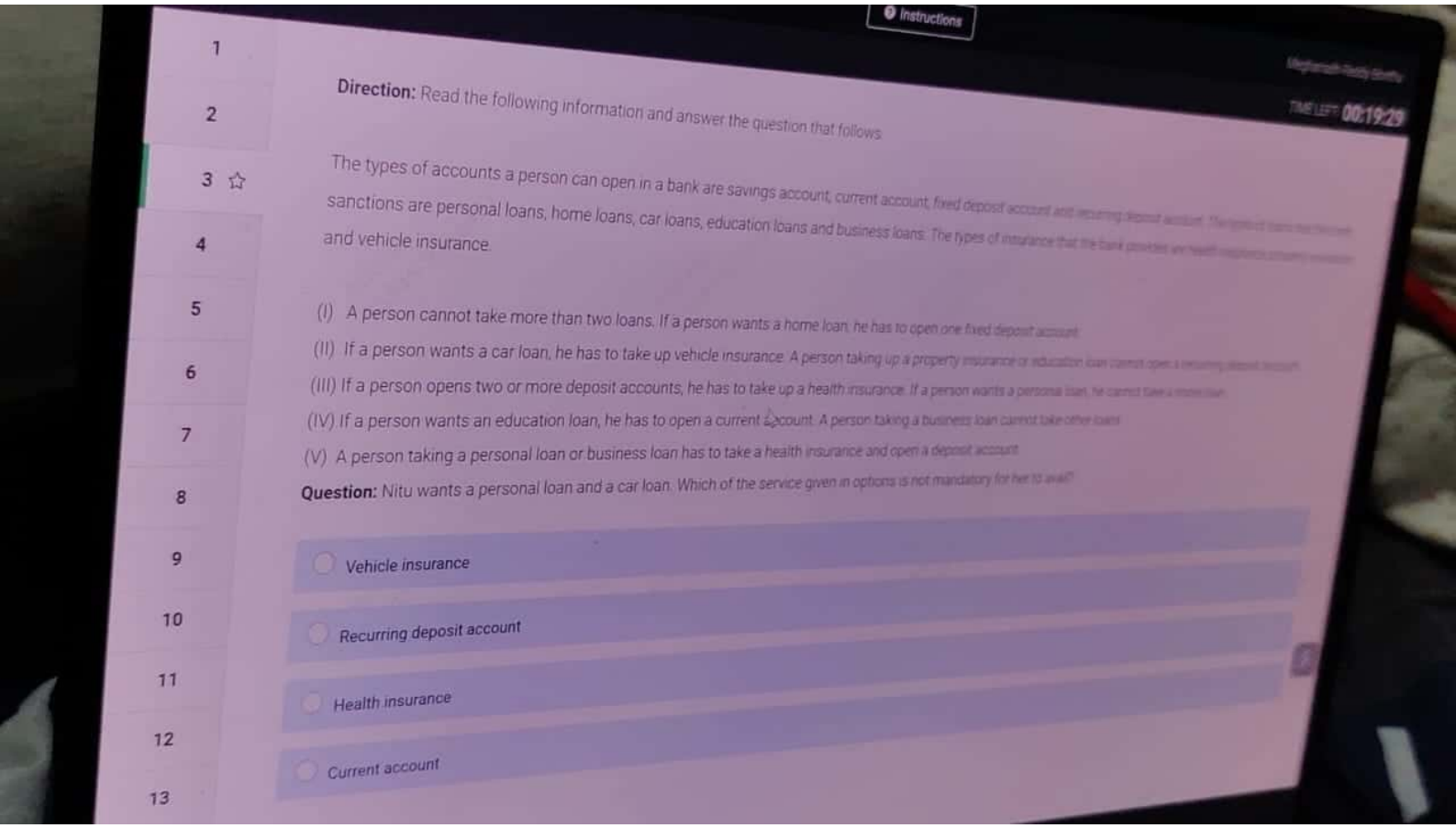
(I) Health insurance

(II)Fixed deposit accounts

(III) Property insurance

(IV) Current account

- (I) and (III) only
- All (I), (II) and (III)


Instructions
TIME LEFT 00:19:29
1
2
3
4
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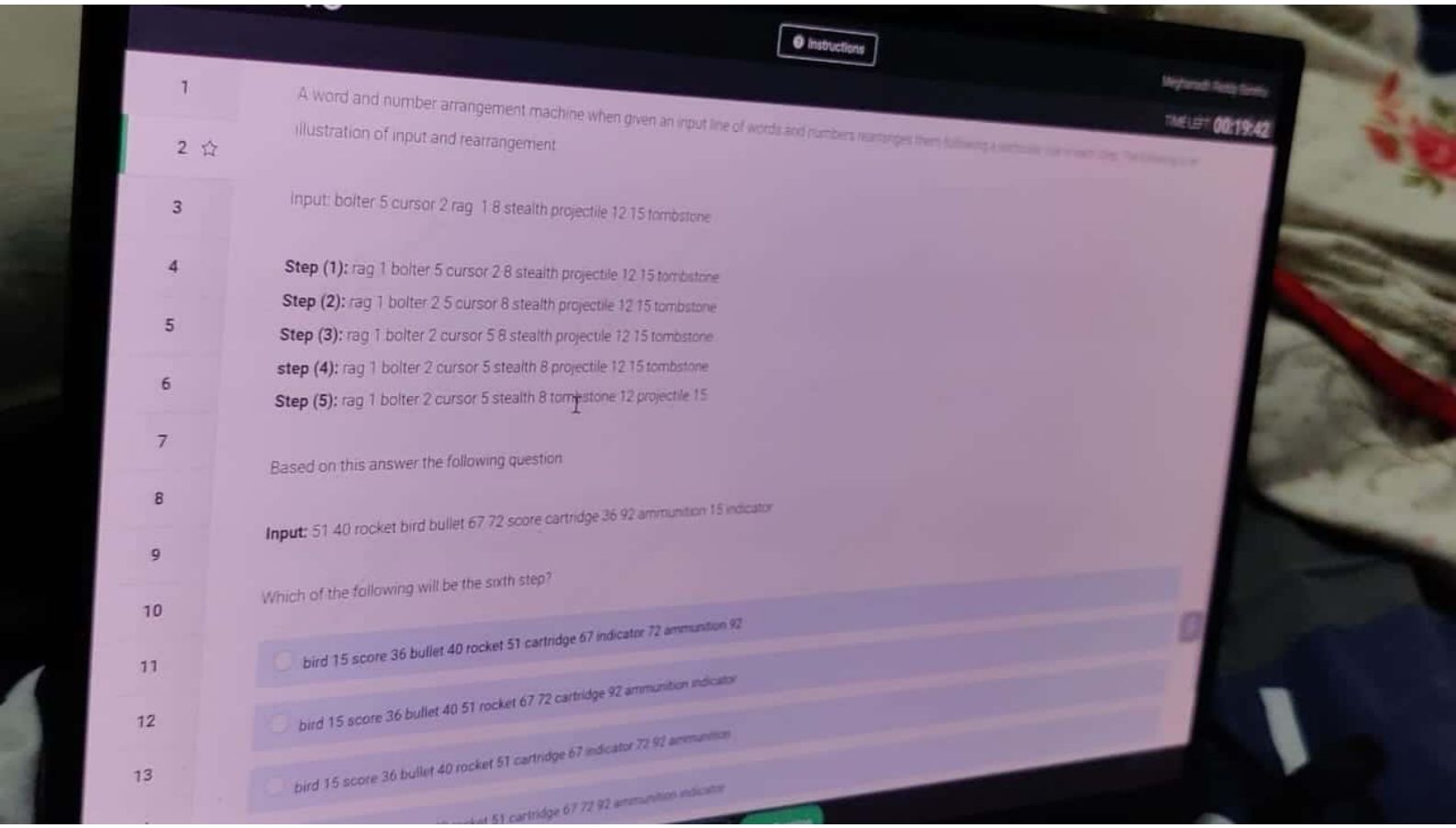
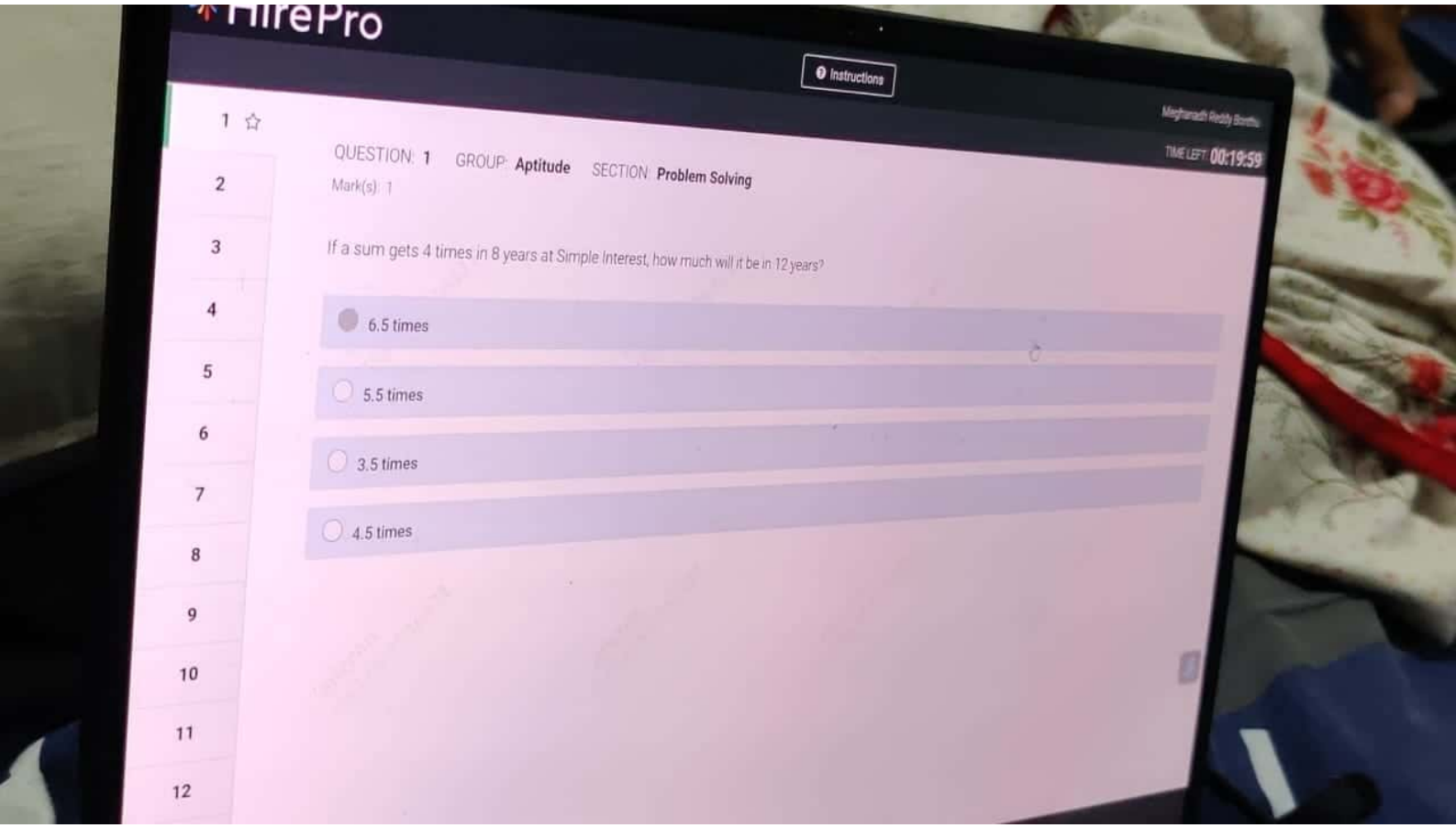
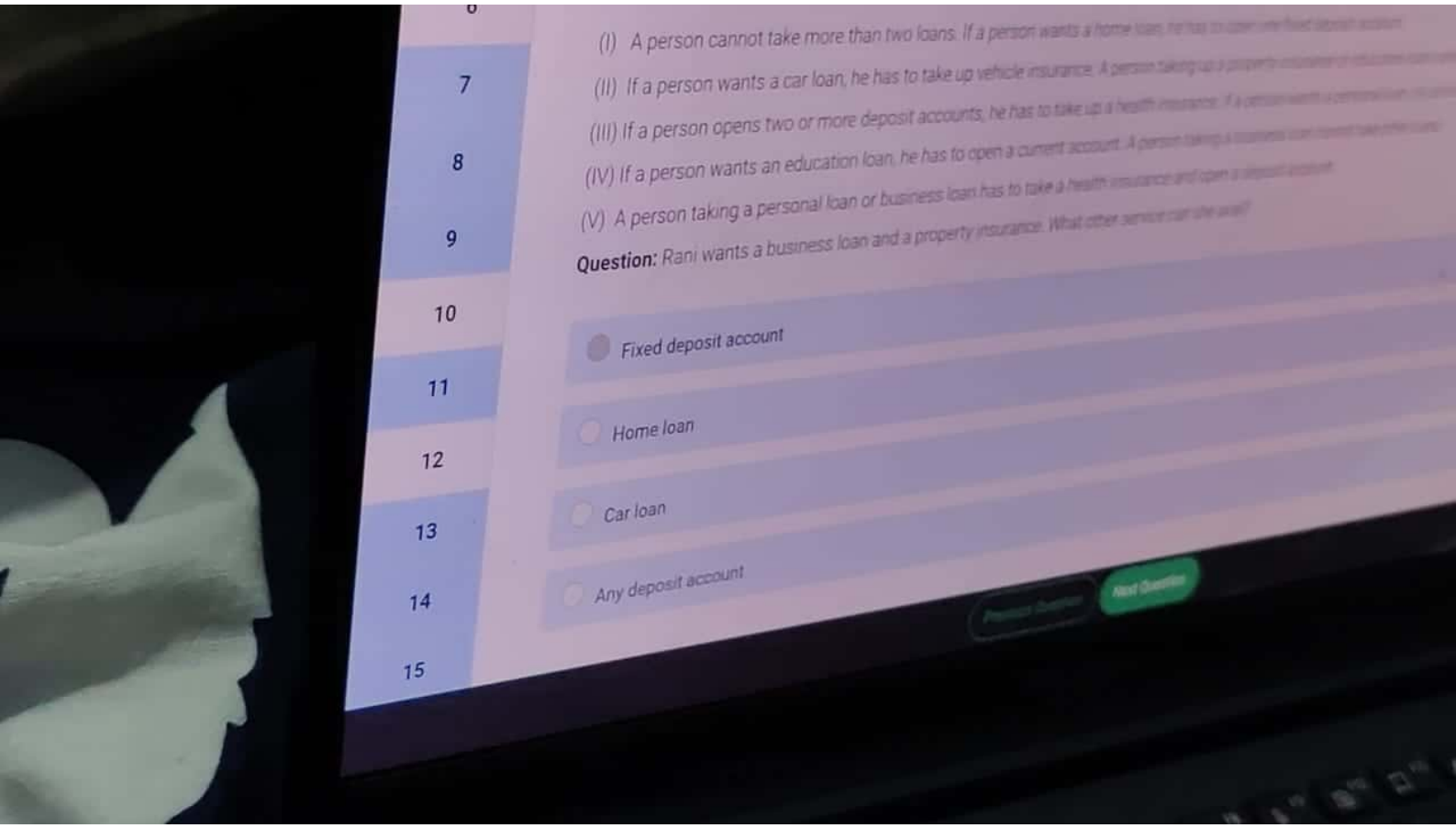
6
7
8
9
10
11
12
13
Direction: Read the following information and answer the question that follows.
The types of accounts a person can open in a bank are savings account, current account, fixed deposit account and recurring deposit account. The types of loans that the bank sanctions are personal loans, home loans, car loans, education loans and business loans. The types of insurance that the bank provides are health insurance, property insurance and vehicle insurance.
(I) A person cannot take more than two loans. If a person wants a home loan, he has to open one fixed deposit account.
(II) If a person wants a car loan, he has to take up vehicle insurance. A person taking up a property insurance or education loan cannot open a recurring deposit account.
(III) If a person opens two or more deposit accounts, he has to take up a health insurance. If a person wants a personal loan, he cannot take a home loan.
(IV) If a person wants an education loan, he has to open a current account. A person taking a business loan cannot take other loans.
(V) A person taking a personal loan or business loan has to take a health insurance and open a deposit account.
Question: Nitu wants a personal loan and a car loan. Which of the service given in options is not mandatory for her to avail?
Vehicle insurance
Recurring deposit account
Health insurance
Current account


Instructions
TIME LEFT 00:19:42
A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement
Input: bolter 5 cursor 2 rag 1 8 stealth projectile 12 15 tombstone
Step (1): rag 1 bolter 5 cursor 2 8 stealth projectile 12 15 tombstone
Step (2): rag 1 bolter 2 5 cursor 8 stealth projectile 12 15 tombstone
Step (3): rag 1 bolter 2 cursor 5 8 stealth projectile 12 15 tombstone
step (4): rag 1 bolter 2 cursor 5 stealth 8 projectile 12 15 tombstone
Step (5): rag 1 bolter 2 cursor 5 stealth 8 tombstone 12 projectile 15
Based on this answer the following question
Input: 51 40 rocket bird bullet 67 72 score cartridge 36 92 ammunition 15 indicator
Which of the following will be the sixth step?
bird 15 score 36 bullet 40 rocket 51 cartridge 67 indicator 72 ammunition 92
bird 15 score 36 bullet 40 51 rocket 67 72 cartridge 92 ammunition indicator
bird 15 score 36 bullet 40 rocket 51 cartridge 67 indicator 72 92 ammunition


HirePro
Instructions
Meghanadh Reddy Bonthu
TIME LEFT: 00:19:59
1
2
3
4
5
6
7
8
9
10
11
12
QUESTION: 1 GROUP: Aptitude SECTION: Problem Solving
Mark(s): 1
If a sum gets 4 times in 8 years at Simple Interest, how much will it be in 12 years?
6.5 times
5.5 times
3.5 times
4.5 times


6
7
8
9
10
11
12
13
14
15
(I) A person cannot take more than two loans. If a person wants a home loan, he has to open one fixed deposit account
(II) If a person wants a car loan, he has to take up vehicle insurance. A person taking up a property insurance or insurance
(III) If a person opens two or more deposit accounts, he has to take up a health insurance. If a person wants a commercial
(IV) If a person wants an education loan, he has to open a current account. A person taking a business loan cannot take other loans
(V) A person taking a personal loan or business loan has to take a health insurance and open a deposit account
Question: Rani wants a business loan and a property insurance. What other service can she avail?
Fixed deposit account
Home loan
Car loan
Any deposit account
Next Question