تجميعات فيزياء

الكويز الاول

الحلول صحيحه

بالتوفيق للجميع

💛💛

Question No. 19

Which of the following is NOT an SI unit?

- meter
- foot
- mole
- candela

B

Question No. 6

Taking significant figures into account, the product 1.044 × 100 × 0.06 × 0.130, is correctly writte

- 0.81432
- 0.8
- 0.814
- 0.81

B

Question No. 8

The dimensions of (length × speed/area) is:

- T^{-1}
- T^{-2}
- T^{-3}
- T^{-4}

A

MKCL OES

Physics_Quiz1_Sem2

Question No. 17

An atom's radius is 10^{-10} m. This equals, (1 nano = 10^{-9}, 1 micro (μ) = 10^{3} nano, 1m = 10^{6} μm):

- 1 μm
- 0.1 μm
- 0.1 nm
- 1 nm

C

Save & Next

E1901w

Question No. 4

Knowing that 1 mile = 1609 m, 88 km is nearly equivalent to:

- 141 miles
- 0.55 miles
- 55 miles
- 5.5 miles

Question No. 8

The only set of units among the following that is fully British System

- centimeter, pound, second
- foot, pound, second
- foot, gram, second
- inch, mile, kilometer

B

Physics_Quiz1_Se

AMKCL OES

Total questions in exam: 25 | Answered: 17

Question No. 11

The distance from Jeddah to Madinah is measured to be accurately 420 km. The number of significant figures in

1
2
4
3

D

حسبنا الصفر
عشان فيه
accurately كلمه
قبل الرقم

Next

MKCL OES

Total questions in exam: 25 | Answered: 17

Question No. 13

Knowing that 1 ft = 12 in. and 1 yard (yd) = 3 ft, how many yards are there in 360 in.?

- 30 yd
- 10 yd
- 3 yd
- 100 yd

B

The smallest reading in a protractor is 1°. You measured an angle of 50°. Considering significant figures, cos(50) should be writte

- 0.643
- 0.64
- 0.6427876097
- 0.6428

B

Total questions in exam: 25 | Answered: 0

C [redacted]

The lifetime of a muon is 10^{-6} seconds. This equals, (1 Mega = 10^{6}, 1 nano = 10^{-9}, 1 micro (μ) = 10^{3} nano):

- 0.001 Ms
- 0.01 ms
- 1 µs
- 100 ns

MKCL OES
Online Evaluation System

Total questions in exam: **25** | Answered: **0**

Question No. 1

Two forces are: (F1 = 130 N, west) & (F2 = 115 N, east). Their resultant (R) is:

- 245 N, west
- 15 N, east
- 245 N, east
- 245 N, east
- 15 N, west

D

MKCL OES

Total questions in exam: 25 | Answered: 4

Question No. 6

Considering order of magnitude, the number 11345 can be written as

- 10^5
- 10^4
- 10^6
- 10^3

B

MKCL OES
Online Evaluation System

Total questions in exam: 25 | Answered: 5

Question No. 7

In the scientific notation, 0.0021 is written as:

- 2.1×10^{3}
- 2.1×10^{-3}
- 2.1×10^{2}
- 2.1×10^{-2}

B

Total questions in exam: 25

Question No. 5

The decimal form for 7.621×10^2 is:

- 76.21
- 762.1
- 7.621
- 0.7621

B

Save & Next

MKCL OES

Total questions in exam: 25 | Answered: 7

Question No. 8

Using a ruler with cm and mm divisions to measure a certain length, we get a value of 15.2 cm. Our measurement can then be written as

- L = 15.2 ± 0.2 cm
- L = 15.2 ± 0.01 cm
- L = 15.2 ± 0.1 cm
- L = 15.2 ± 1.0 cm

C

Save & Next

Total questions in exam: **25** | Answered: **2**

Question No. 24

Which of the following is a derived SI quantity?

- length
- electric current
- force
- temperature

C

MKCL OES
Online Evaluation System

Total questions in exam: **25** | Answered: **0**

Question No. 8

If **r** is a length and **t** is time, the equation

$$t = \sqrt{\frac{k.r}{t}}$$

is dimensionally correct if **k** has the dimension of:

- L T
- $T^3 L^{-1}$
- $L T^{-1}$
- $T L^{-2}$

B

Physics_Quiz1_Sem2_2019

KCL OES

otal questions in exam: 25 | Answered: 9

Question No. 4

The smallest reading in a protractor is 1°. You measured an angle of 50°. Considering significant figures, sin(50) should be written as:

- 0.766
- 0.8
- 0.77
- 0.7660444431

ve & Next حفظ و التالي

DIw

MKCL OES

Total questions in exam: 25 | Answered: 4

Q

The dimensions of (time/volume) is:

- TL^{-2}
- TL^{-3}
- TL^{3}
- TL^{-1}

B

Save & Next

Question No. 9

The dimensions of (mass/speed) is

- $ML^{-1}T$
- ML^{-3}
- $ML^{-2}T$
- ML

A

فيزياء الكويز الاول

Physics_Quiz1_Sem2_

Total questions in exam: 25 | Answered: 11

Question No. 8

Two forces are: (F1 = 12 N, west) & (F2 = 9 N, north). The magnitude of their resultant (R) is:

221 N

3 N

15 N

21 N

Save & Next حفظ والتالي

MKCL OES
Online Evaluation System

Total questions in exam: 25 | Answered: 9

Question No. 18

In the scientific notation, 36900 is written as:

- 3.69×10^4
- 36.9×10^3
- 3.69×10^3
- 0.369×10^4

A

MKCL OES
Online Evaluation System

Total questions in exam: **25** | Answered: **1**

Question No. 2

The frequency of radiation of cesium atoms is used to give the standard of:

- meter
- kilogram
- inch
- second

D

Que

"Good precision" is an instrument's ability to give measurements that are:

- always scattered
  (موزعة)
- None of these answers is correct
- repeatedly close to each other
- repeatedly far from each other

Save & Next حفظ والتالي

Total questions in exam: **25** | Answered: 11

Question No. 21

If the diameter of a human hair is 100 micrometers, this equals to:
(Hint: 1 mm = 1000 micrometers)

- 0.01 mm
- 0.5 mm
- 1 mm
- 0.1 mm

P

Question No. 7

If **t** is time, **r** is a length, the equation

$$t = \sqrt{\frac{t}{k.r}}$$

is dimensionally correct if **k** has the dimension of:

- L T
- $L^{-1}T^{-1}$
- T / L
- L / T

B

MKCL OES

Total questions in exam: **25** | Answered: **9**

Question No. 16

You sold a car for SAR 93000. In order-of-magnitude this price is about:

- SAR 10^3
- SAR 10^4
- SAR 10^6
- SAR 10^5

D

MKCL OES

Physics

Total questions in exam: 25 | Answered: 7

An object is pulled vertically up with a rope. If the tension in the rope is 90 N, its horizontal componer

- 45 N
- 0 N
- 180 N
- 90 N

B

Save & Next حفظ والتالي

uestion No. 20

A lake is approximately circular, with a 200-m diameter, (diameter = 2r; "r
adius"), and an average depth h = 5 m. The volume of water in this lake can be es
s: ($V = \pi r^2 . h$)

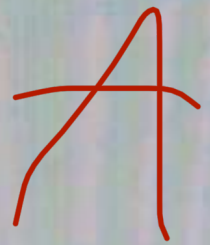
- $1.5 \times 10^4\ m^3$
- $1.5 \times 10^5\ m^3$
- $1.5 \times 10^6\ m^3$
- $1.5 \times 10^7\ m^3$

B

Question No. 11

If a road has 80 km/h speed-limit (حد السرعة), the maximum speed a car can go without exceeding the limit (تجاوز الحد) is:

- 20 m/s
- 30 m/s
- 10 m/s
- 40 m/s



Question No. 2

A lake with approximately circular surface has an average radius $r = 0.5\,km$ and average depth $h = 10\,m$. The volume $V = \pi r^2 h$ of this lake in liters (L) is approximately:

- 10^7 L
- 10^{10} L
- 10^5 L
- 10^{12} L

B

Total questions in exam: 25 | Answered: 9

Question No. 2

If v is a speed and t is tin.., the equation

$$t = \sqrt{\frac{t}{k.v}}$$

is dimensionally correct if k has the dimension of:

- L T
- L $^{-2}$
- L $^{-1}$
- L T $^{-1}$

C

AKCL OES

Total questions in exam: 25 | Answered: 17

Question No. 15

Dividing 100.0 by 9 with a calculator gives 11.111111111. Taking significant figures into ac

- 11.1
- 11
- 11.11
- 10

D

MKCL OES

Physics_Quiz1

Total questions in exam: **25** | Answered: **9**

Question No. 8

The top of a hill is 980 m above the sea level. In order-of-magnitude this height can b

- 10^2 m
- 10^1 m
- 10^0 m
- 10^3 m

D

otal questions in exam: 25 | Answered: 0

Question No. 18

A distance of 0.05 km is equal to:

- 50000 cm
- 5000 cm
- 500000 cm
- 500 cm

B

Question No. 12

A 7.5-g diamond is weighed on a scale of 0.1-g smallest division. The weight that is correct within the scale's precision is:

- 7.6 g
- 7.8 g
- 7.9 g
- 7.2 g

A

MKCL OES

Total questions in exam: **25** | Answered: 16

Question No. 13

Convert 23 cm^3 to mm^3: (1 $cm^3 = 1000\ mm^3$)

- 2300 mm^3
- 230 mm^3
- 230000 mm^3
- 23000 mm^3

D

Question No. 19

A room's floor is made of 200 ceramic blocks, 30 cm × 20 cm each. The area of this room ca
as:

- $12\ m^2$
- $24\ m^2$
- $18\ m^2$
- $6\ m^2$

A

ons in exam: 25 | Answ

tion No. 2

If **r** is a length and **t** is time, the equation

$$t = \sqrt{\frac{r}{k.t}}$$

is dimensionally correct if **k** has the dimension of:

- TL^{-2}
- TL^{-1}
- LT^{-3}
- LT

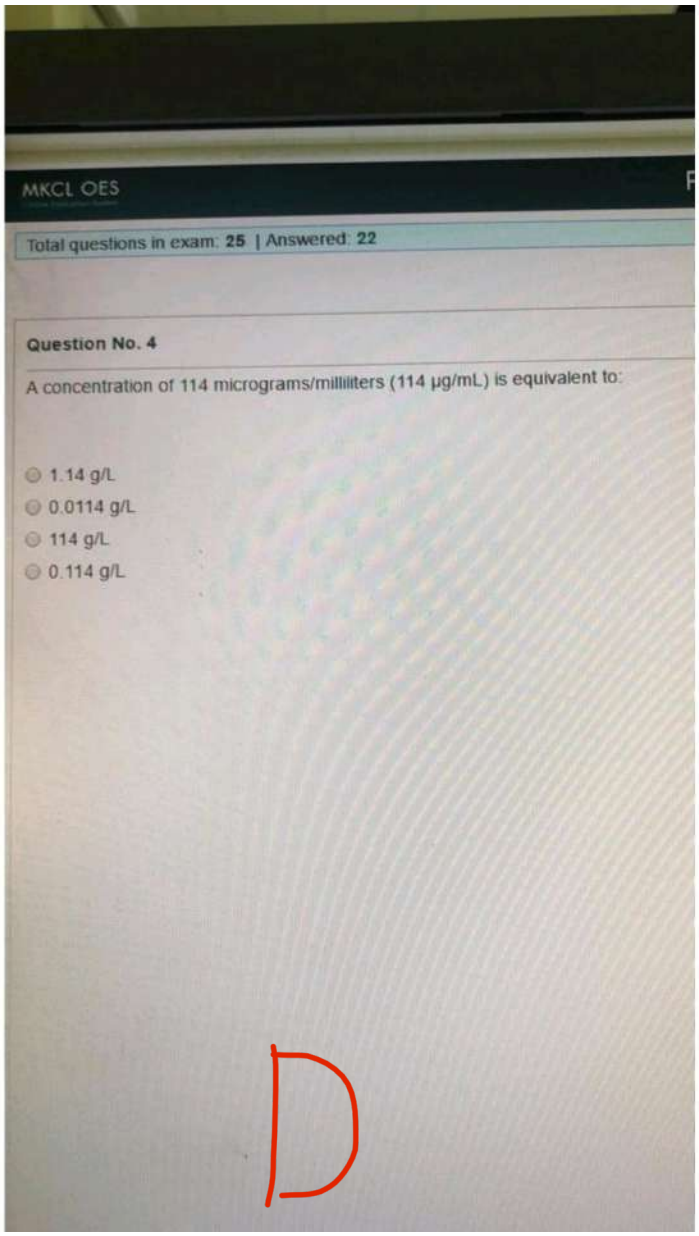
C

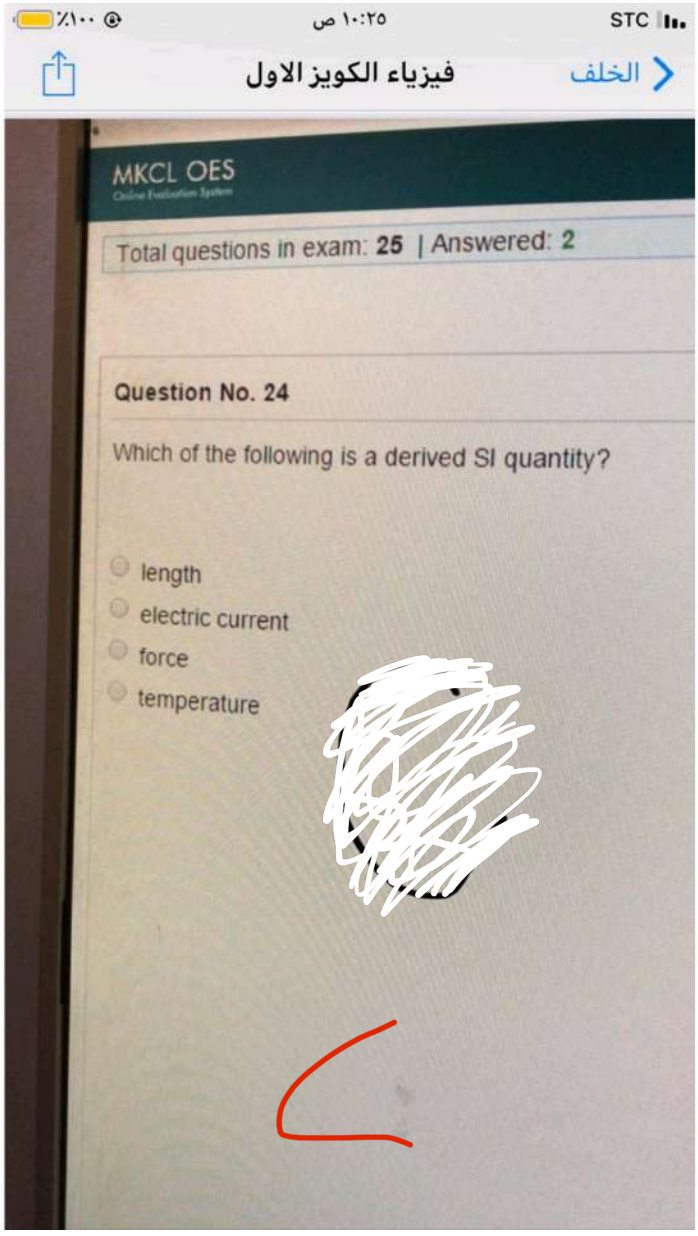
Question No. 11

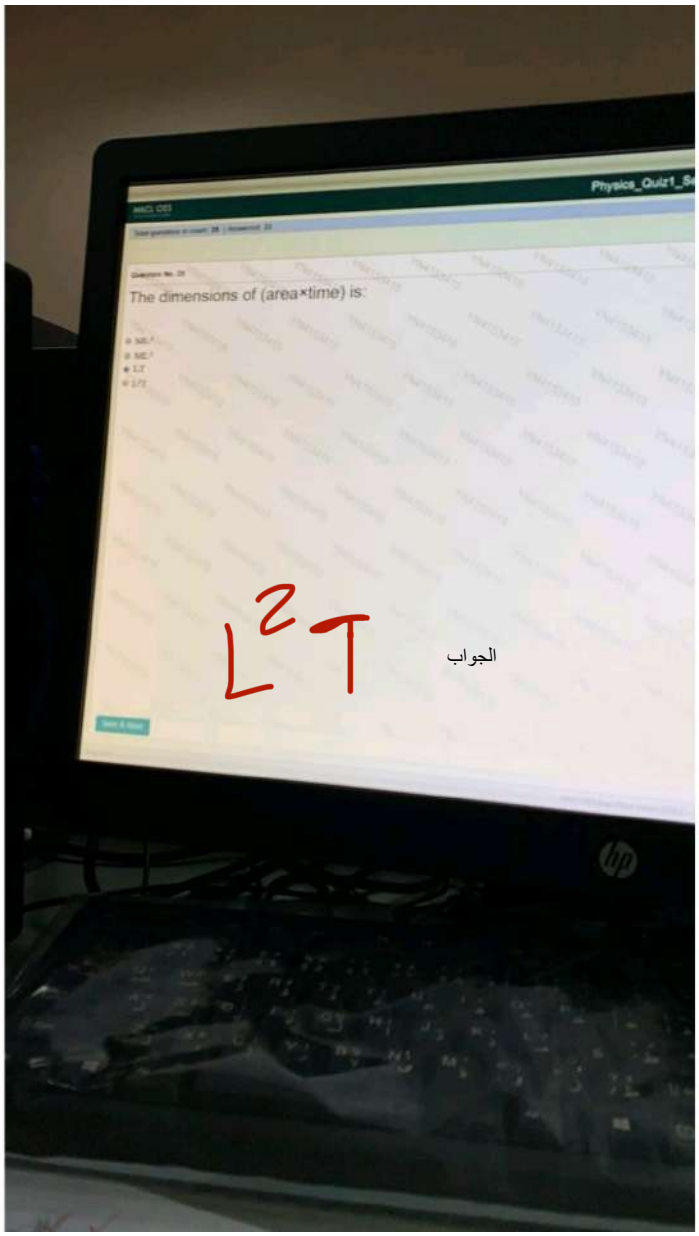
If **r** is a length, **A** is an area and **V** is a volume, the equation $A.r^2 = r^a/V$ is dimensionally correct if **a** equals

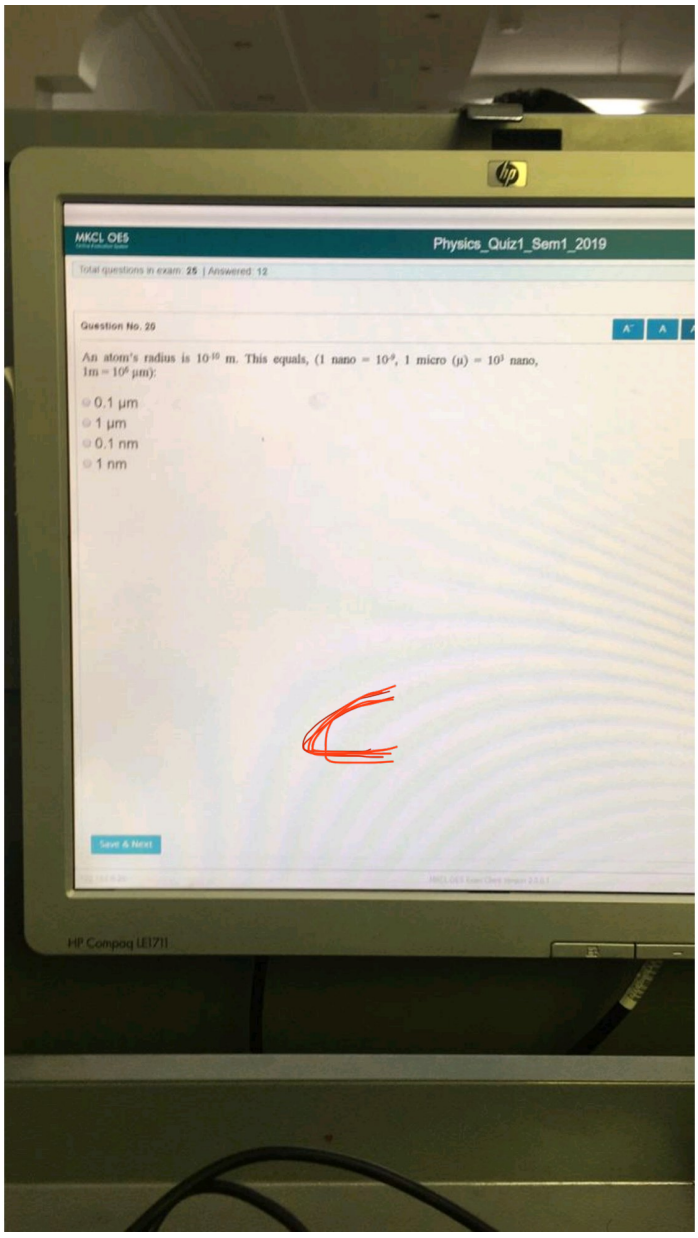
- 5
- -5
- 7
- -7

C









MKCL OES

Physics_Quiz1_Sem1_2019

Total questions in exam: **25** | Answered: **7**

Question No. 20

A⁻ A A

The thickness of a 1200-page book is about 1.9 inches. The thickness of a single sheet of this book can estimated as:

- 0.08 mm
- 0.01 mm
- 0.8 mm
- 0.04 mm

A

Save & Next

10.65.7.215

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HP L1710

MKCL OES
Online Evaluation System

Physics_Quiz1_Sem1_2019

Total questions in exam: **25** | Answered: **2**

Question No. 7

A⁻ A A⁺

For n1 = 0.6789, n2 = 0.067890, n3 = 0.607890, and n4 = 607.89, the number with equal significant figures are:

- n1 and n2
- n1 and n3
- n2 and n4
- n3 and n4

Save & Next

10.65.7.215

MKCL OES Base Core Version 2.0.0.1

HP L1710

Physics_Quiz

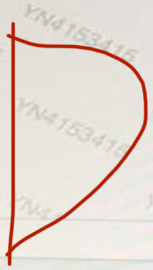
MKCL OES

Total questions in exam: 25 | Answered: 0

Question No. 3

Express 1000 in. in centimeters (1 in. = 2.54 cm):

- 394 cm
- 3940 cm
- 254 cm
- 2540 cm



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MKCL OES

Phys

Total questions in exam: 25 | Answered: 0

Question No. 2

The dimensions of (mass/speed) is:

- ML^{-1}
- $ML^{-1}T$
- ML
- $ML^{-2}T$

B

Save & Next

Phy

MKCL OES

Total questions in exam: 25 | Answered: 0

Question No. 4

Example of a scalar is:

- weight
- distance
- displacement
- acceleration

B

Save & Next

MKCL OES

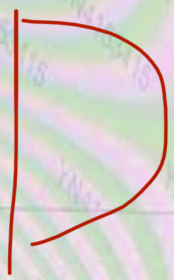
Total questions in exam: 25 | Answered: 0

Physics_Quiz1_Sem1_2019

Question No. 5

Consider that the average age of a human is 70 years and on average, the heart beats once every second. During this lifetime, the heart approximately beats:

- 200 million beats
- 20 million beats
- 20 billion beats
- 2 billion beats



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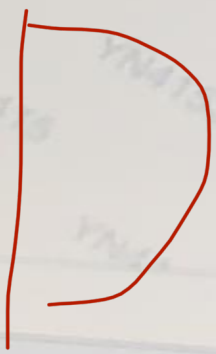
MKCL OES Exam Client Version 2.0.0.1

Question No. 9

An object will have a zero acceleration if:

- only the speed is constant
- only the direction is constant
- both the speed and direction are changing
- both the speed and direction are constant



Question no. 7

Three forces are: (F1 = 63 N, east), (F2 = 42 N, west) & (F3 = 13 N, west). Their resultant (R) is

- 24 N, east
- 79 N, east
- 8 N, west
- 8 N, east

D

Question No. 6

Knowing that 1 ft = 12 in. and 1 in. = 2.54 cm, a distance of 20 ft is equal to:

- 61000 cm
- 610 cm
- 6100 cm
- 61 cm

B

Save & Next

Total questions in exam: 25 | Answered: 22

Question No. 16

If **r** is a length, **v** is a speed and **t** is time, the equation $v = k/t^2 + r/t$ is dimensionally correct if **k** has the dimension of:

- LT^{+2}
- LT
- TL^2
- L

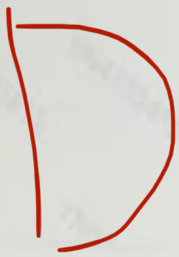
B

Save & Next

Question No. 24

Two forces are: (F1 = 90 N, up) & (F2 = 90 N, right). The magnitude of the resultant (R) is nearly:

- 0 N
- 90 N
- 180 N
- 127 N



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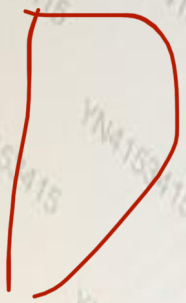
Question No. 3

Express 1000 in. in centimeters (1 in. = 2.54 cm):

- 394 cm
- 3940 cm
- 254 cm
- 2540 cm



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MKCL OES

Physics_Quiz1_Sem1_2019

Total questions in exam: 25 | Answered: 23

Question No. 23

The distance from Madinah to Riyadh is measured to be accurately 830 km. The number of significant figures in this measurement is:

- 1
- 2
- 3
- 4

Save & Next

MKCL OES

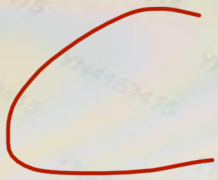
Physics_Quiz1_Sem1_2019

Total questions in exam: 25 | Answered: 0

Question No. 1

Two forces are: (F1 = 90 N, west) & (F2 = 120 N, south). Their resultant (R) is:

- (210 N, north of east)
- (30 N, south of west)
- (150 N, south of west)
- (150 N, south of east)



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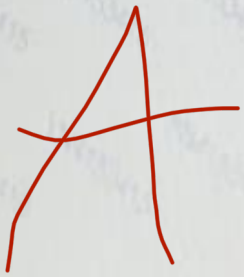
Question No. 18

A cylinder of platinum-iridium, kept at the Bureau of weights and Measures in France, gives the standard of:

- kilogram
- meter
- pound
- second



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Physics_Quiz1_Sem1_201

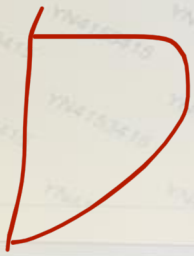
MKCL OES

Total questions in exam: 25 | Answered: 18

Question No. 13

In the SI system of units, the mass, length and time are, respectively, measured in:

- pound, meter and second
- kilogram, foot and second
- pound, foot and second
- kilogram, meter and second



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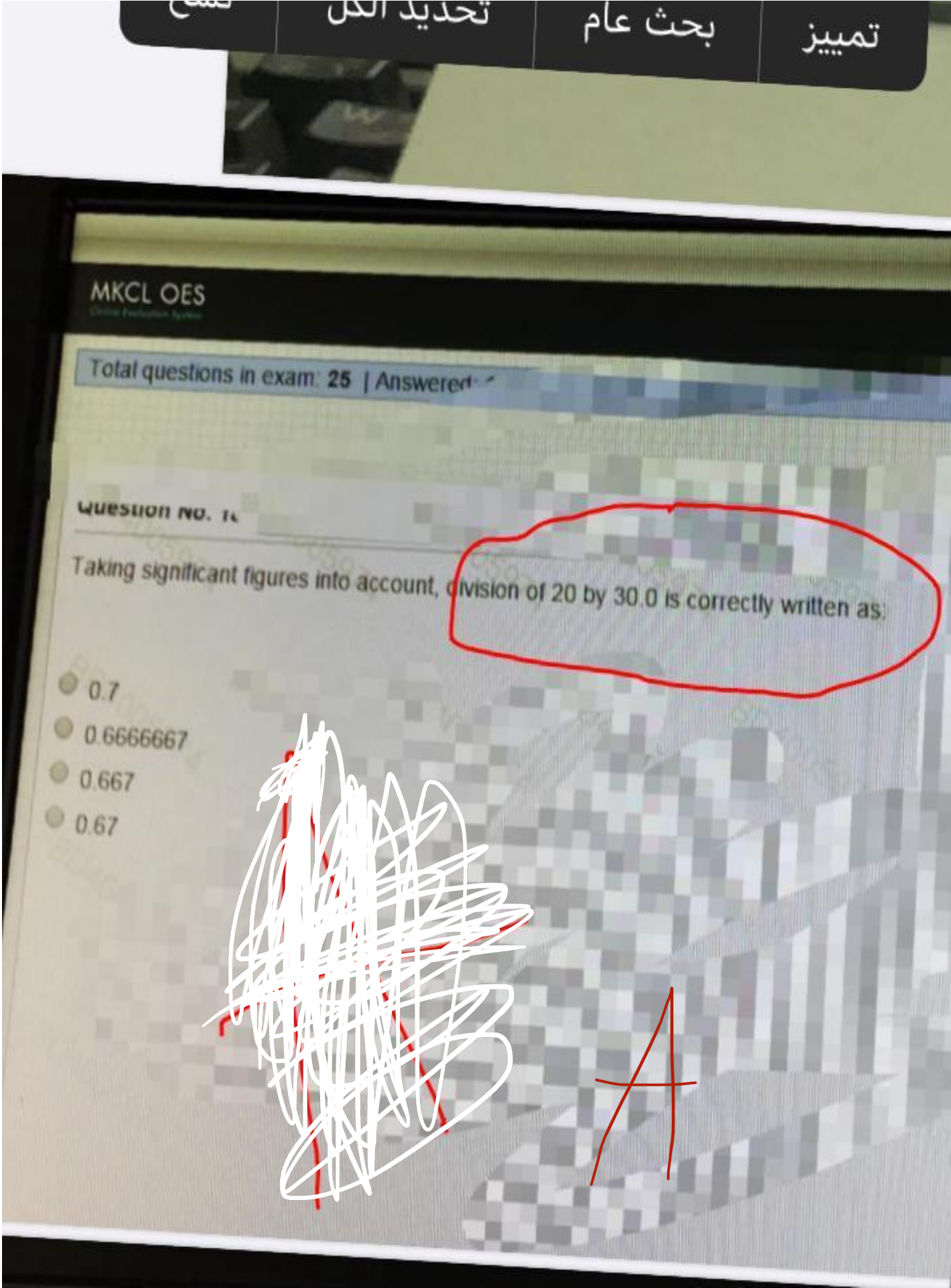
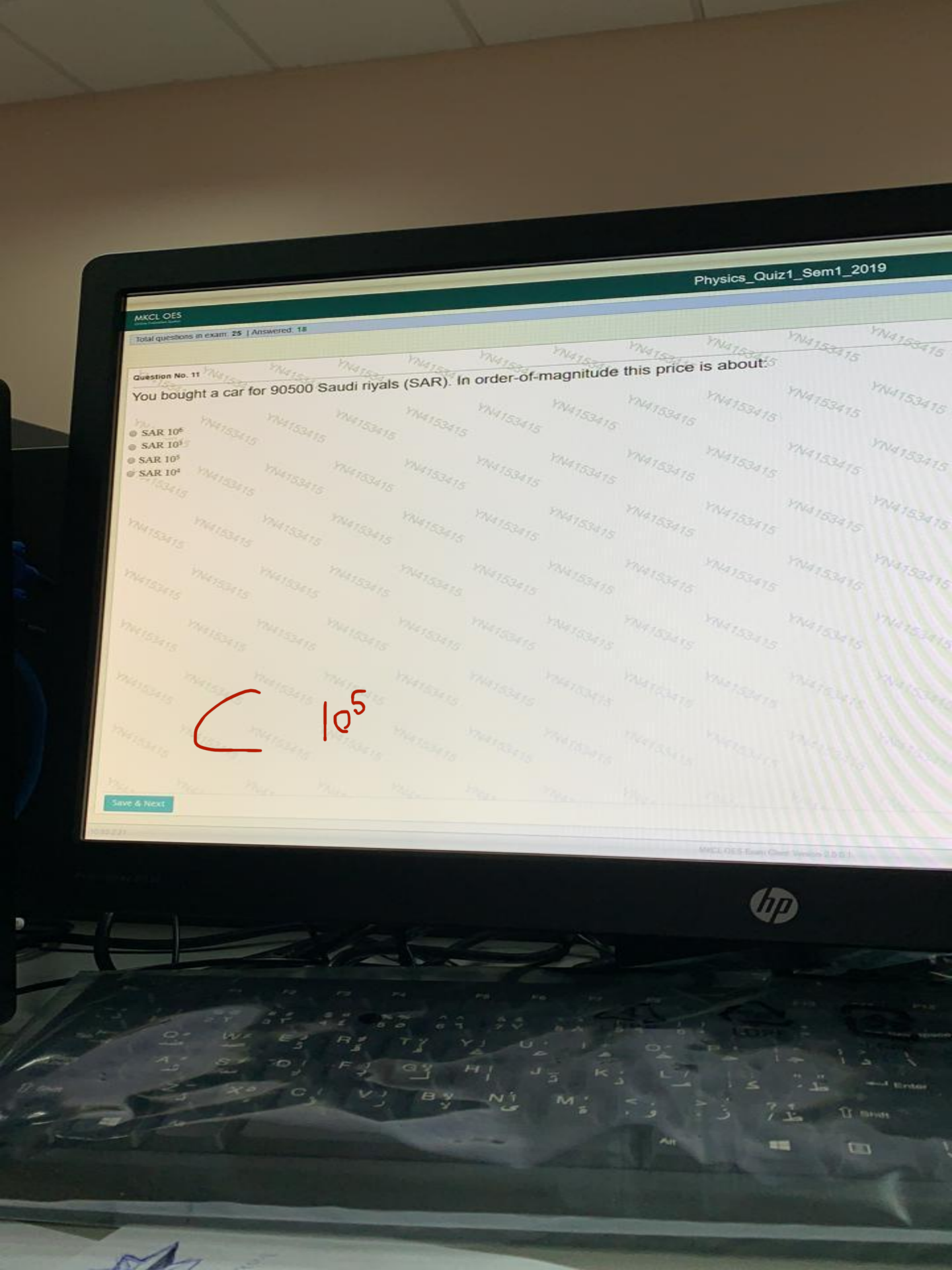
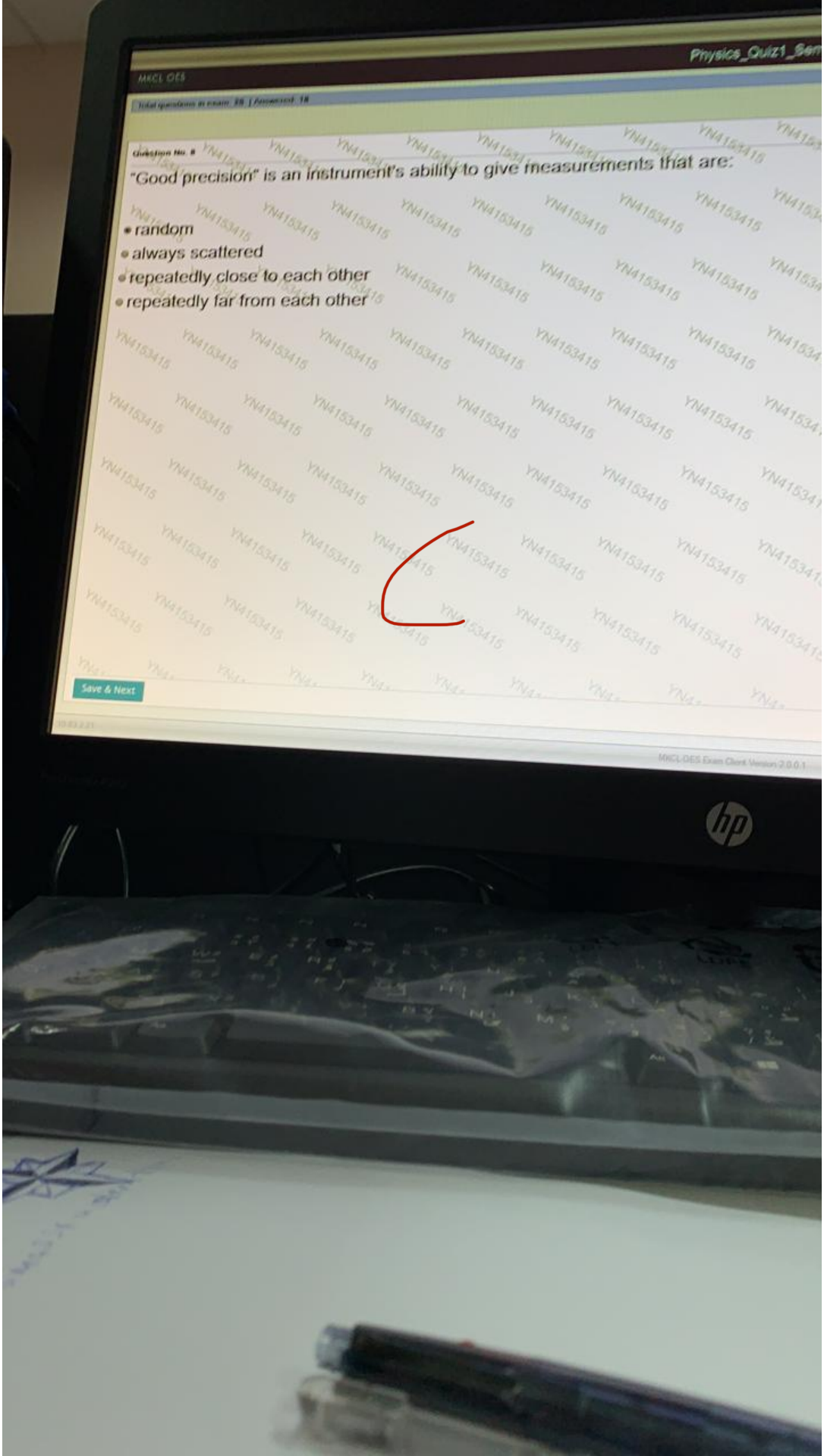
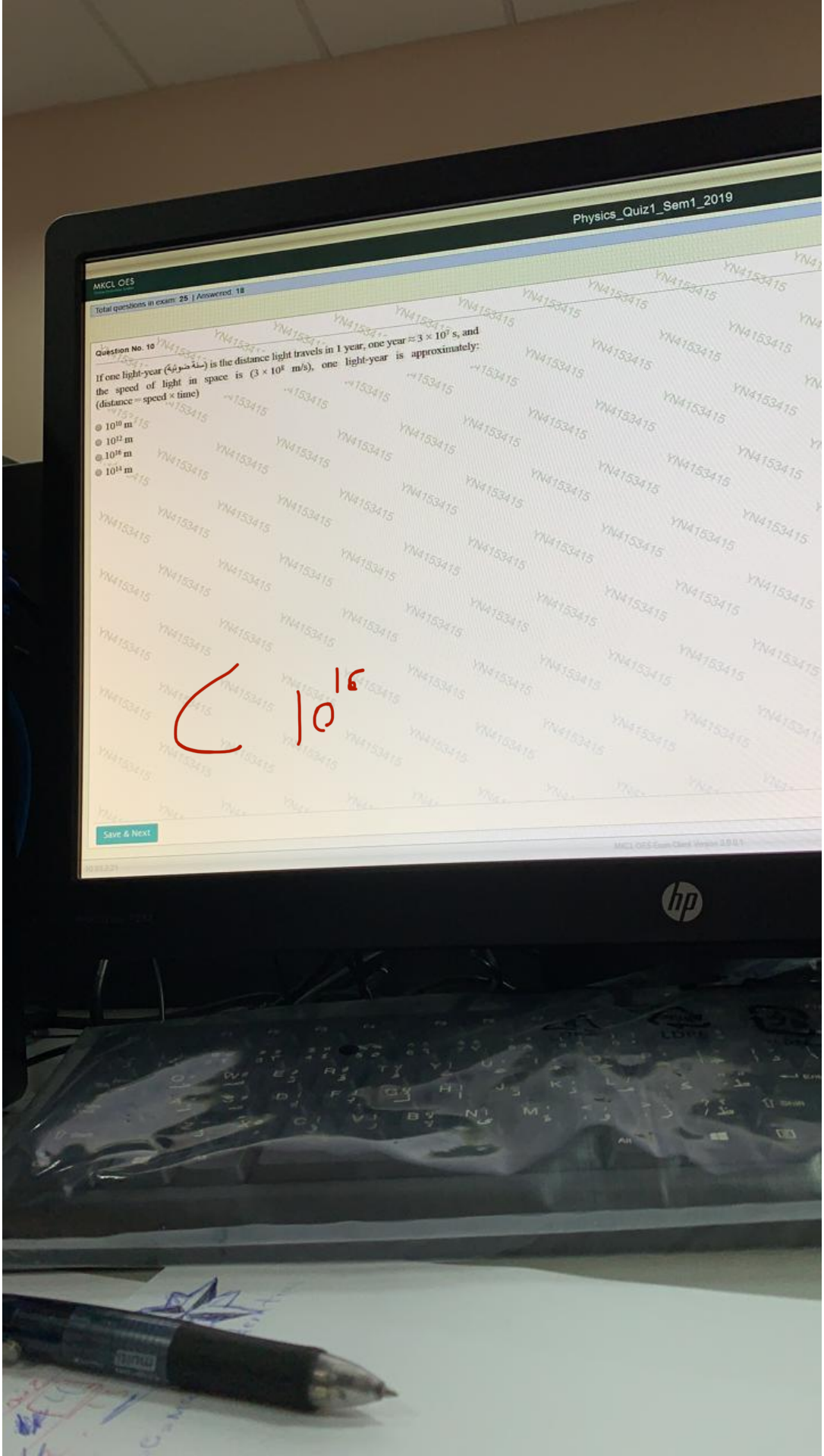
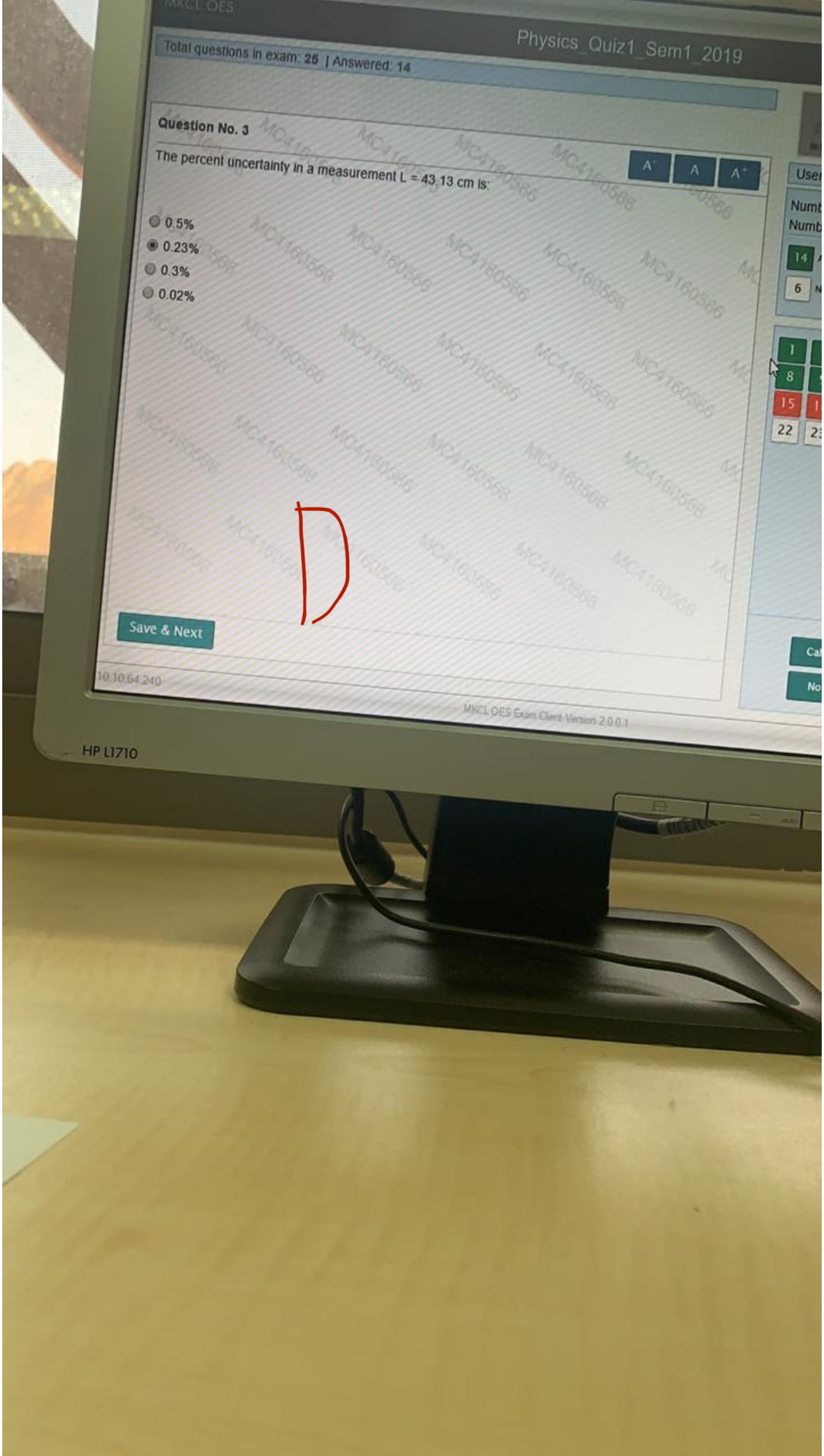
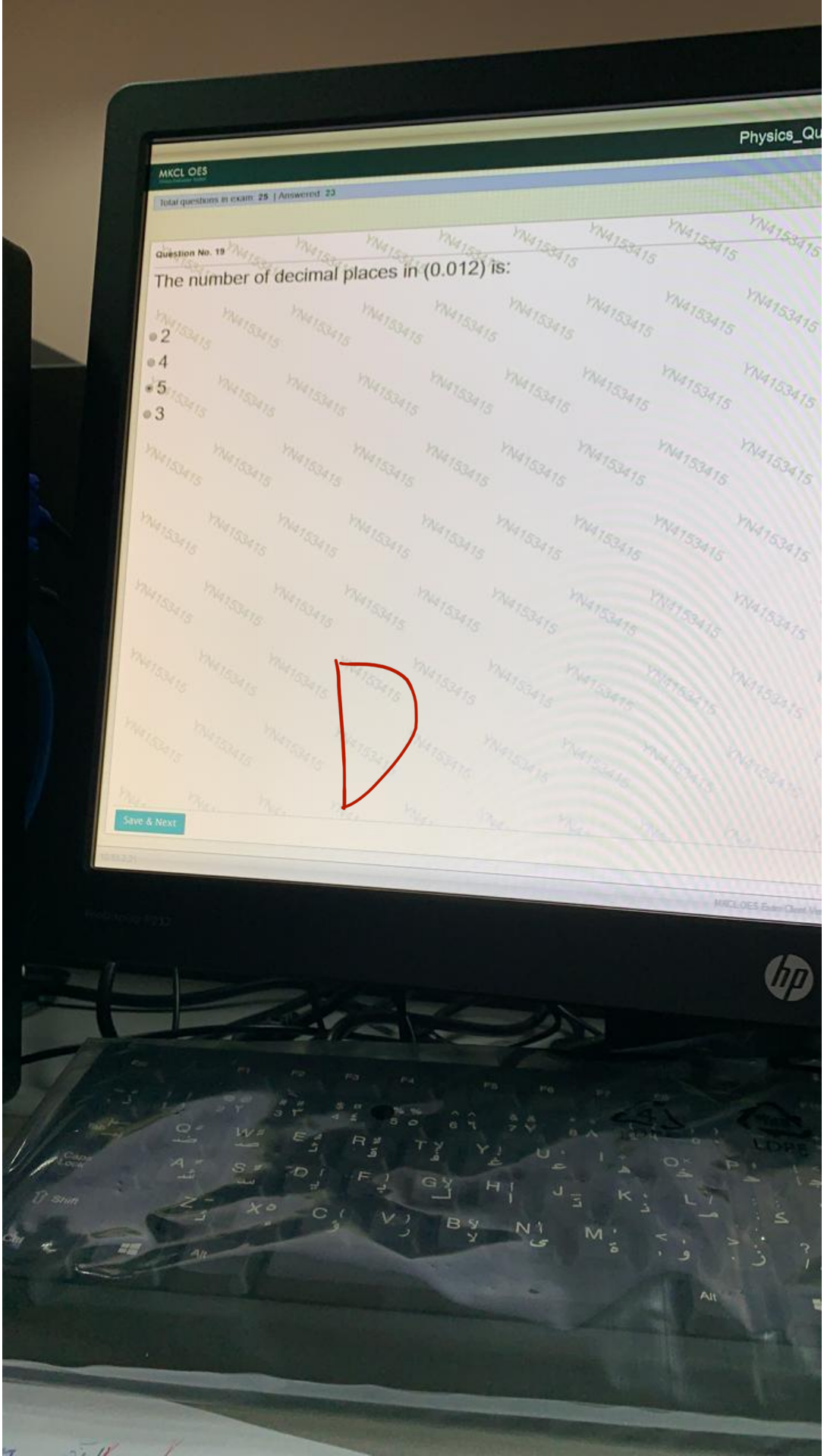

تحديد الكل
بحث عام
تمييز
MKCL OES
Total questions in exam: 25 | Answered
Question No.
Taking significant figures into account, division of 20 by 30.0 is correctly written as:
0.7
0.6666667
0.667
0.67
A

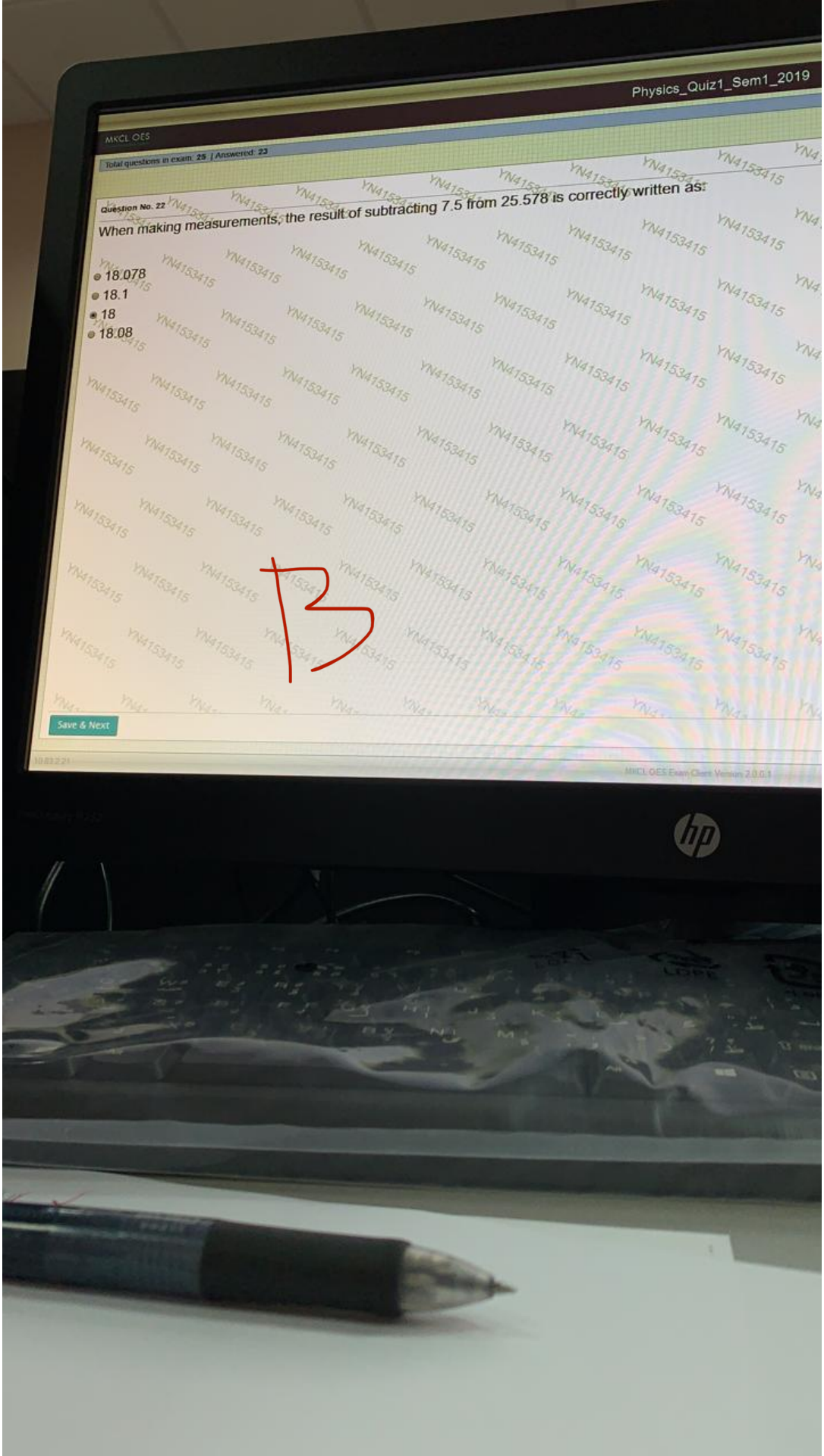

Physics_Quiz1_Sem1_2019
MKCL OES
Total questions in exam: 25 | Answered: 18
Question No. 11
You bought a car for 90500 Saudi riyals (SAR). In order-of-magnitude this price is about:
SAR 10^6
SAR 10^5
SAR 10^5
SAR 10^4
C 10^5
Save & Next

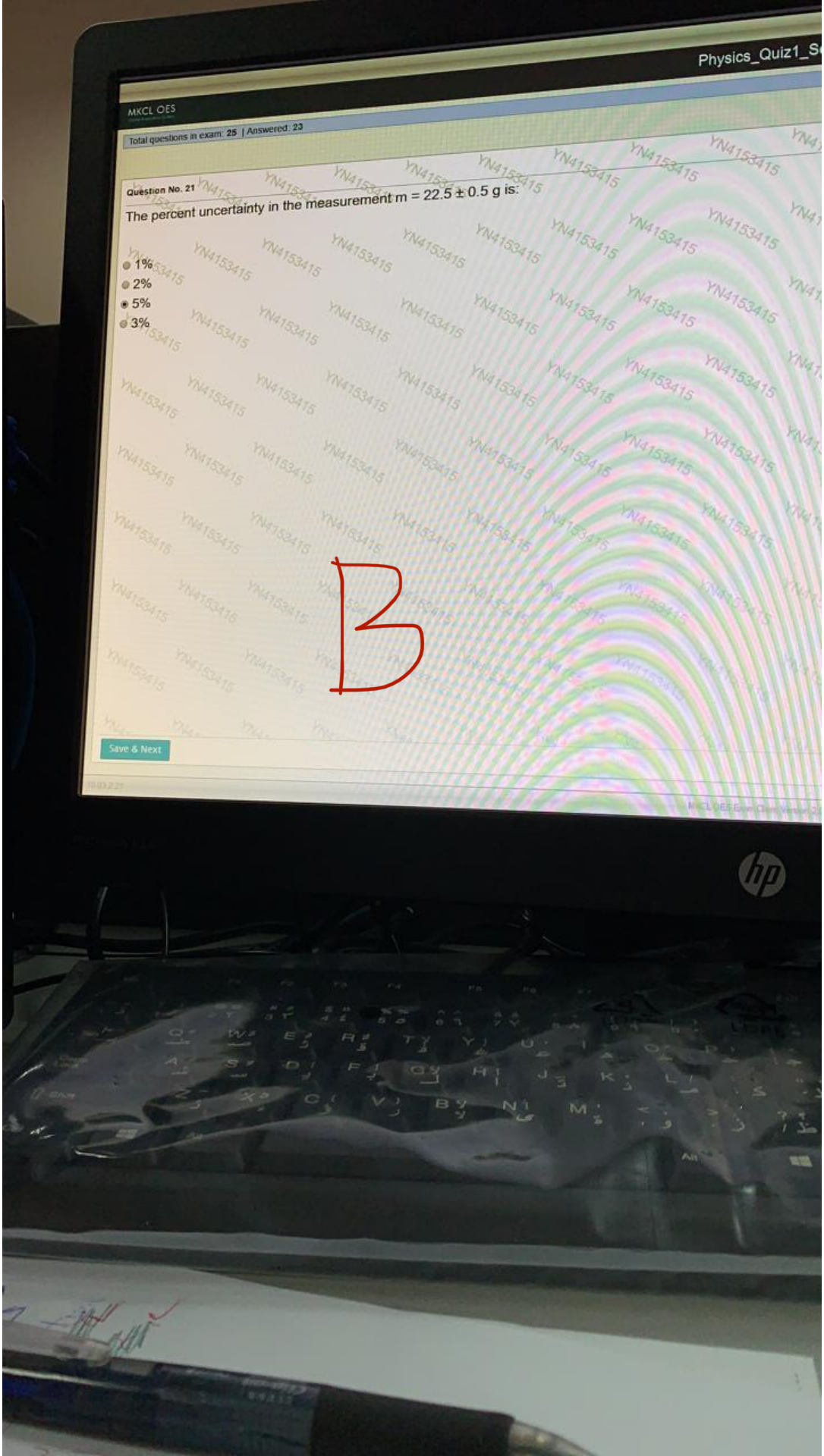

Physics_Quiz1_Sem
MKCL OES
Question No. 8
"Good precision" is an instrument's ability to give measurements that are:
random
always scattered
repeatedly close to each other
repeatedly far from each other
Save & Next
MKCL OES Exam Client Version 2.0.0.1

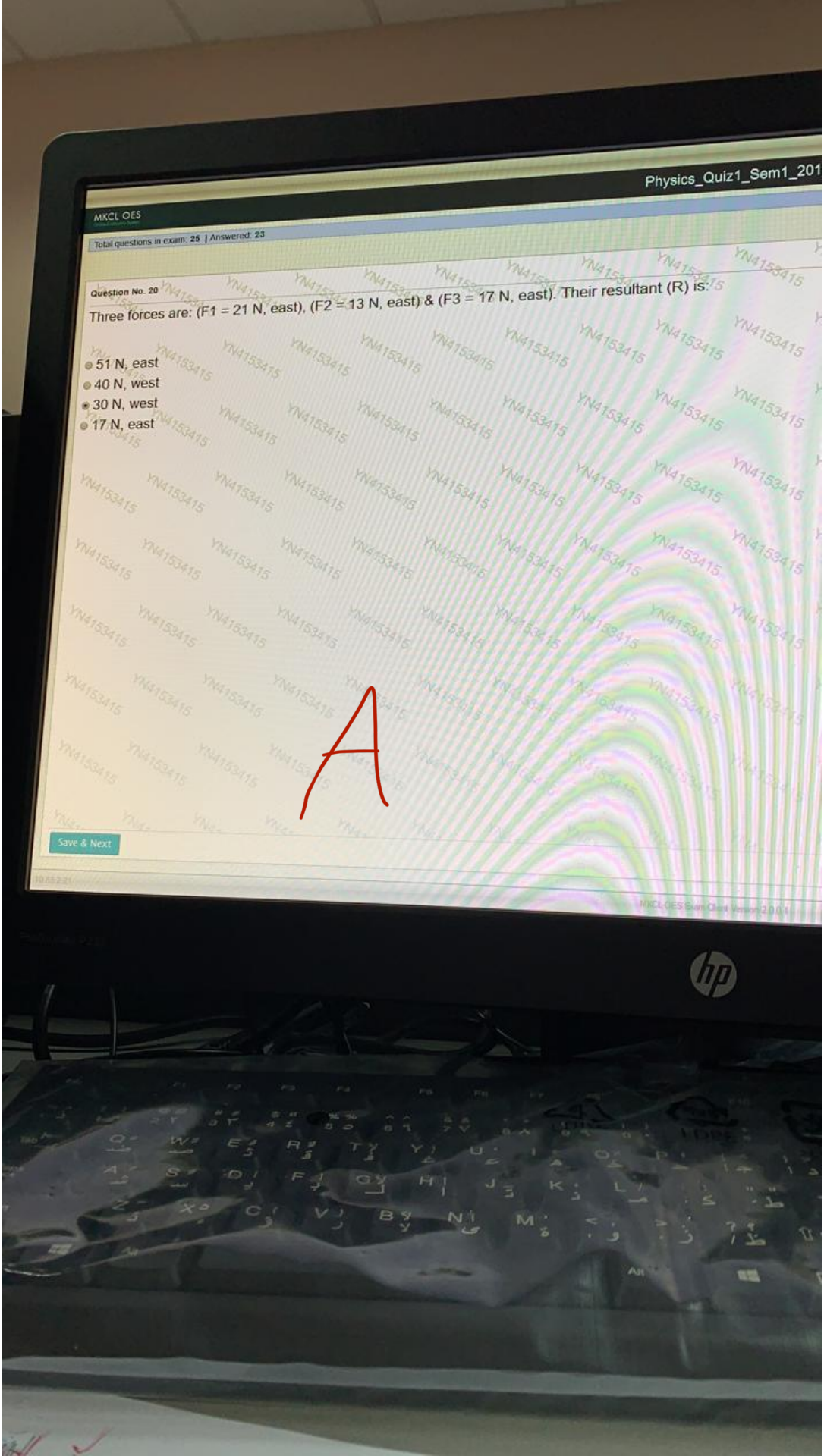

Physics_Quiz1_Sem1_2019
MKCL OES
Total questions in exam: 25 | Answered: 18
Question No. 10
If one light-year (سنة ضوئية) is the distance light travels in 1 year, one year ≈ 3 × 10^7 s, and the speed of light in space is (3 × 10^8 m/s), one light-year is approximately: (distance = speed × time)
10^16 m
10^12 m
10^16 m
10^13 m
C 10^16
Save & Next

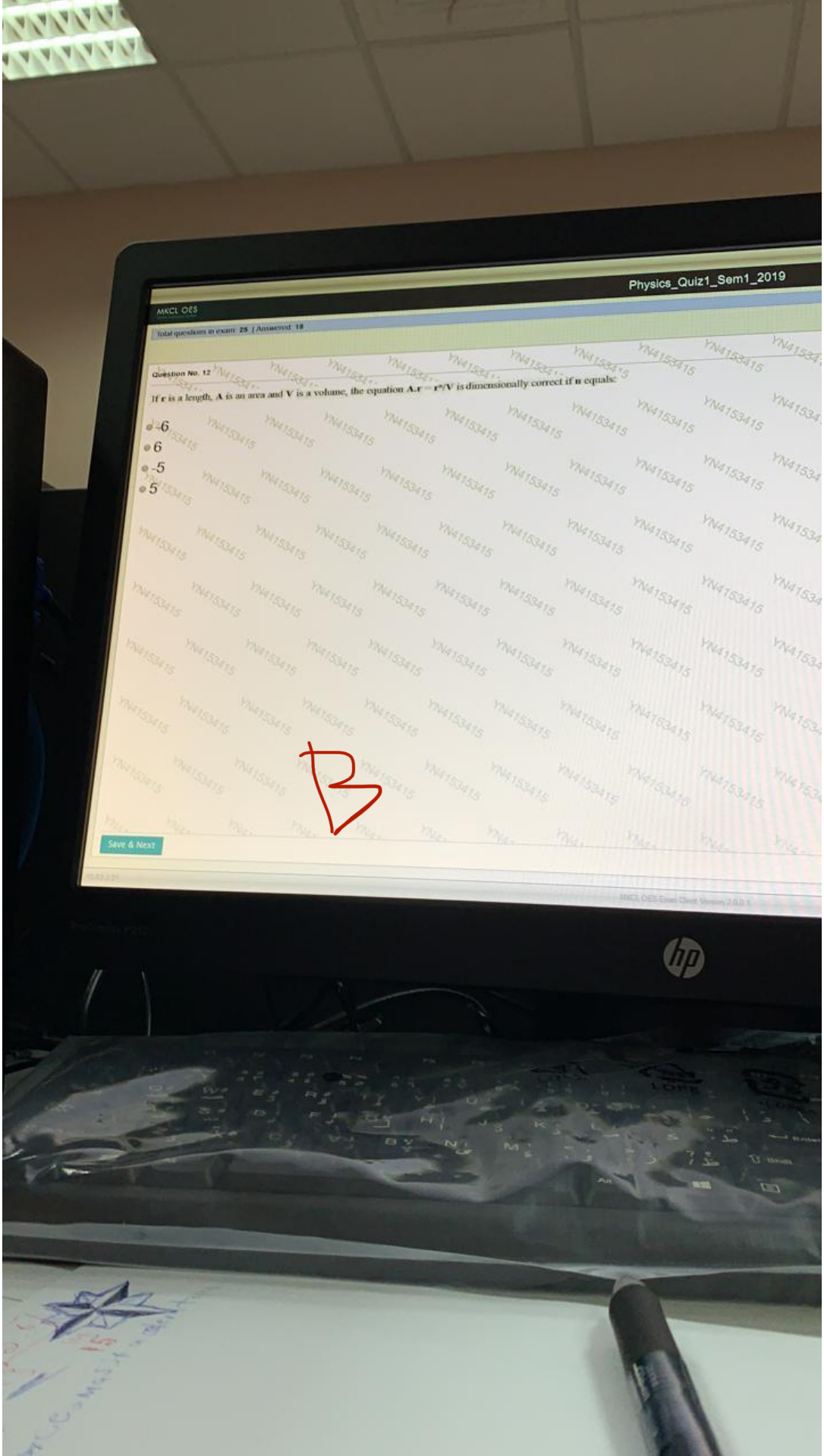

MKCL OES
Physics_Quiz1_Sem1_2019
Total questions in exam: 25 | Answered: 14
Question No. 3
The percent uncertainty in a measurement L = 43.13 cm is:
A- A A+
0.5%
0.23%
0.3%
0.02%
D
Save & Next
10.10.64.240
MKCL OES Exam Client Version 2.0.0.1
HP L1710

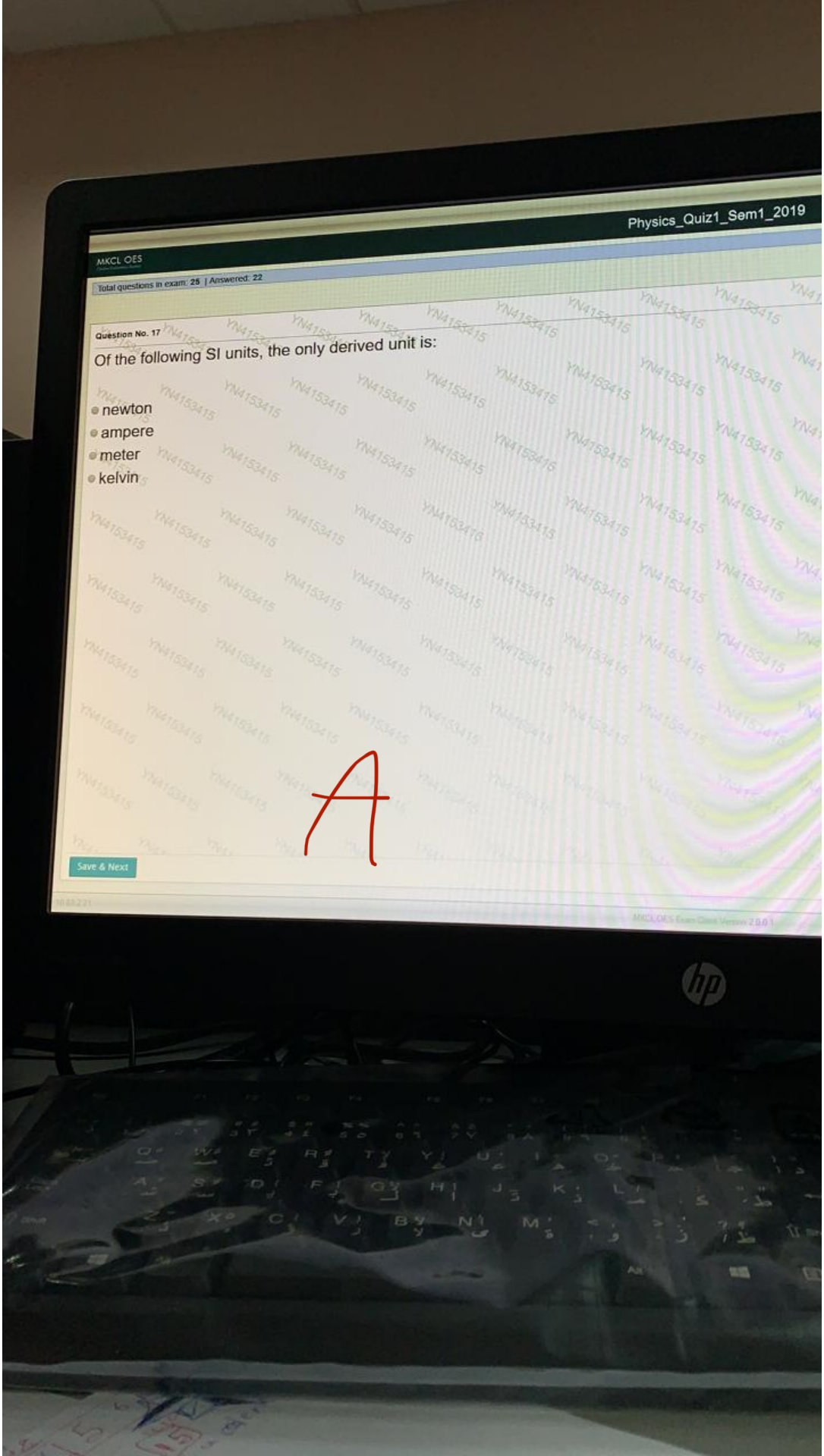

Physics_Qu
MKCL OES
Total questions in exam: 25 | Answered: 23
Question No. 19
The number of decimal places in (0.012) is:
2
4
5
3
D
Save & Next


Physics_Quiz1_Sem1_2019
MKCL OES
Total questions in exam: 25 | Answered: 23
Question No. 22
When making measurements, the result of subtracting 7.5 from 25.578 is correctly written as:
18.078
18.1
18
18.08
B
Save & Next
MKCL OES Exam Client Version 2.0.0.1


Physics_Quiz1_S
MKCL OES
Total questions in exam: 25 | Answered: 23
Question No. 21
The percent uncertainty in the measurement m = 22.5 ± 0.5 g is:
1%
2%
5%
3%
B
Save & Next


Physics_Quiz1_Sem1_201
MKCL OES
Total questions in exam: 25 | Answered: 23
Question No. 20
Three forces are: (F1 = 21 N, east), (F2 = 13 N, east) & (F3 = 17 N, east). Their resultant (R) is:
51 N, east
40 N, west
30 N, west
17 N, east
A
Save & Next


Physics_Quiz1_Sem1_2019
MKCL OES
Total questions in exam: 25 | Answered: 18
Question No. 12
If r is a length, A is an area and V is a volume, the equation A.r^n = r^n/V is dimensionally correct if n equals:
-6
6
-5
5
B
Save & Next


Physics_Quiz1_Sem1_2019
MKCL OES
Total questions in exam: 25 | Answered: 22
Question No. 17
Of the following SI units, the only derived unit is:
newton
ampere
meter
kelvin
A
Save & Next

MKCL OES

Physics_Quiz1_Sem1_2019

Total questions in exam: 25 | Answered: 22

Question No. 16

A⁻ A A⁺

If **r** is a length, **v** is a speed and **t** is time, the equation $v = k/t^2 + r/t$ is dimensionally correct if **k** has the dimension of:

- LT^{+2}
- LT
- TL^2
- L

B

Save & Next

User: YN41534

Number of main

Number of ques

22 Answered

0 Not Visited

1 2

8 9

15 16

22 23

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Physics_Quiz1_Sem1_2019

Total questions in exam: 25 | Answered: 18

Question No. 15

A lake with approximately circular surface has an average radius $r = 0.25$ km and average depth $h = 5$ m. The volume $V = \pi r^2 h$ of this lake in liters (L) is approximately:

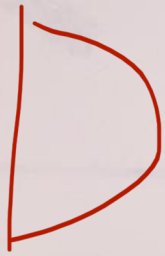
- 10^{12} L
- 10^{7} L
- 10^{9} L
- 10^{5} L

Question No. 15

The dimensions of (mass × speed/time) is:

- $M L^2 T^{-1}$
- $M L^{-1} T^{-1}$
- $M L^2 T^{-2}$
- $M L T^{-2}$

Save & Next



MKCL QES

Physics_Quiz1_Sem1_2019

Total questions in exam: 25 | Answered: 12

Question No. 18

A⁻ A A⁺

Vectors A and B are the horizontal and vertical components for vector C. The magnitude of C is given by the relation:

- $C^2 = B^2 - A^2$
- $C = A^2 + B^2$
- $C = \sqrt{A^2 + B^2}$
- $C^2 = A^2 - B^2$

Save & Next

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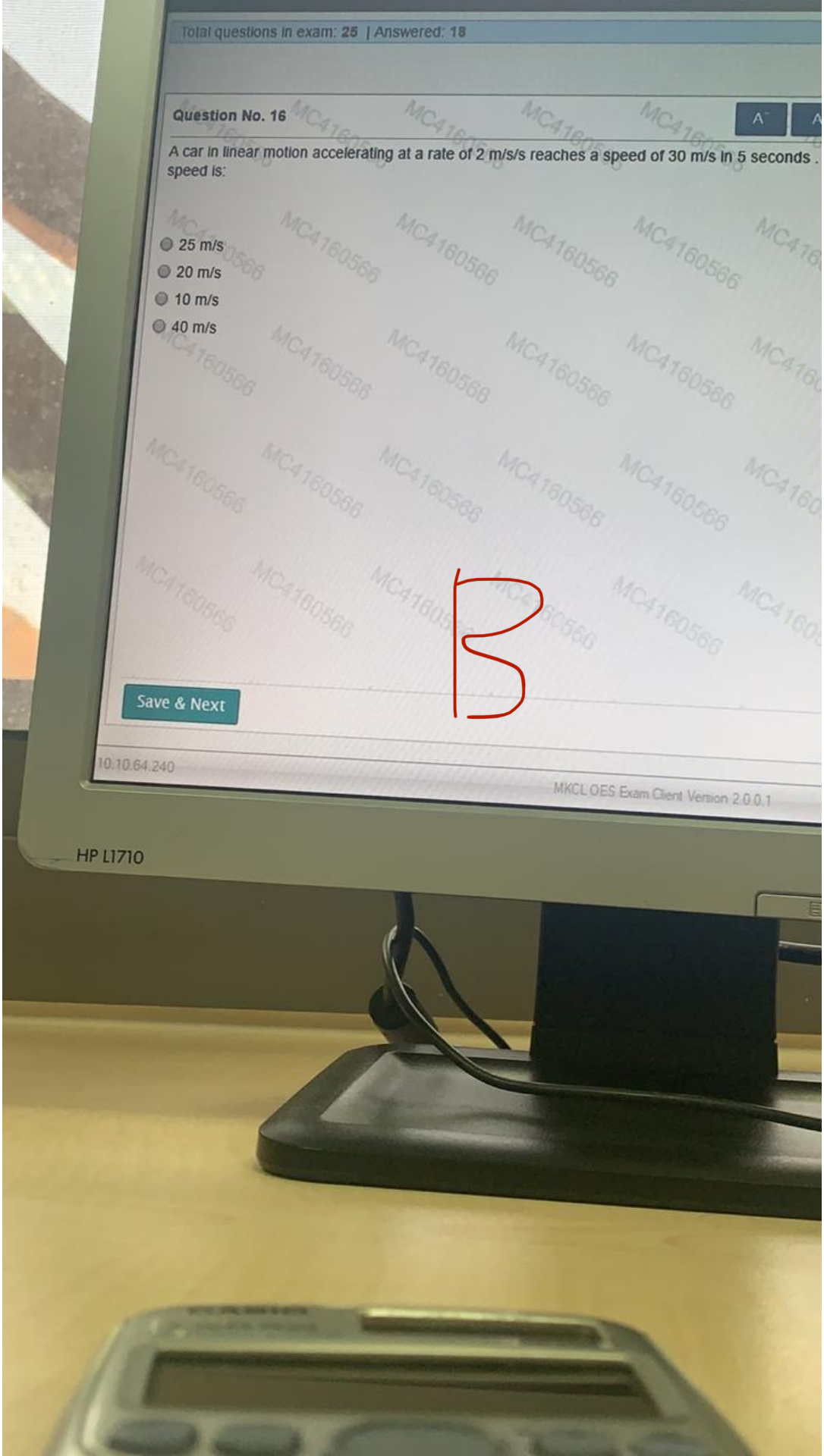
Total questions in exam: 25 | Answered: 18
Question No. 16
A car in linear motion accelerating at a rate of 2 m/s/s reaches a speed of 30 m/s in 5 seconds . speed is:
25 m/s
20 m/s
10 m/s
40 m/s
B
Save & Next
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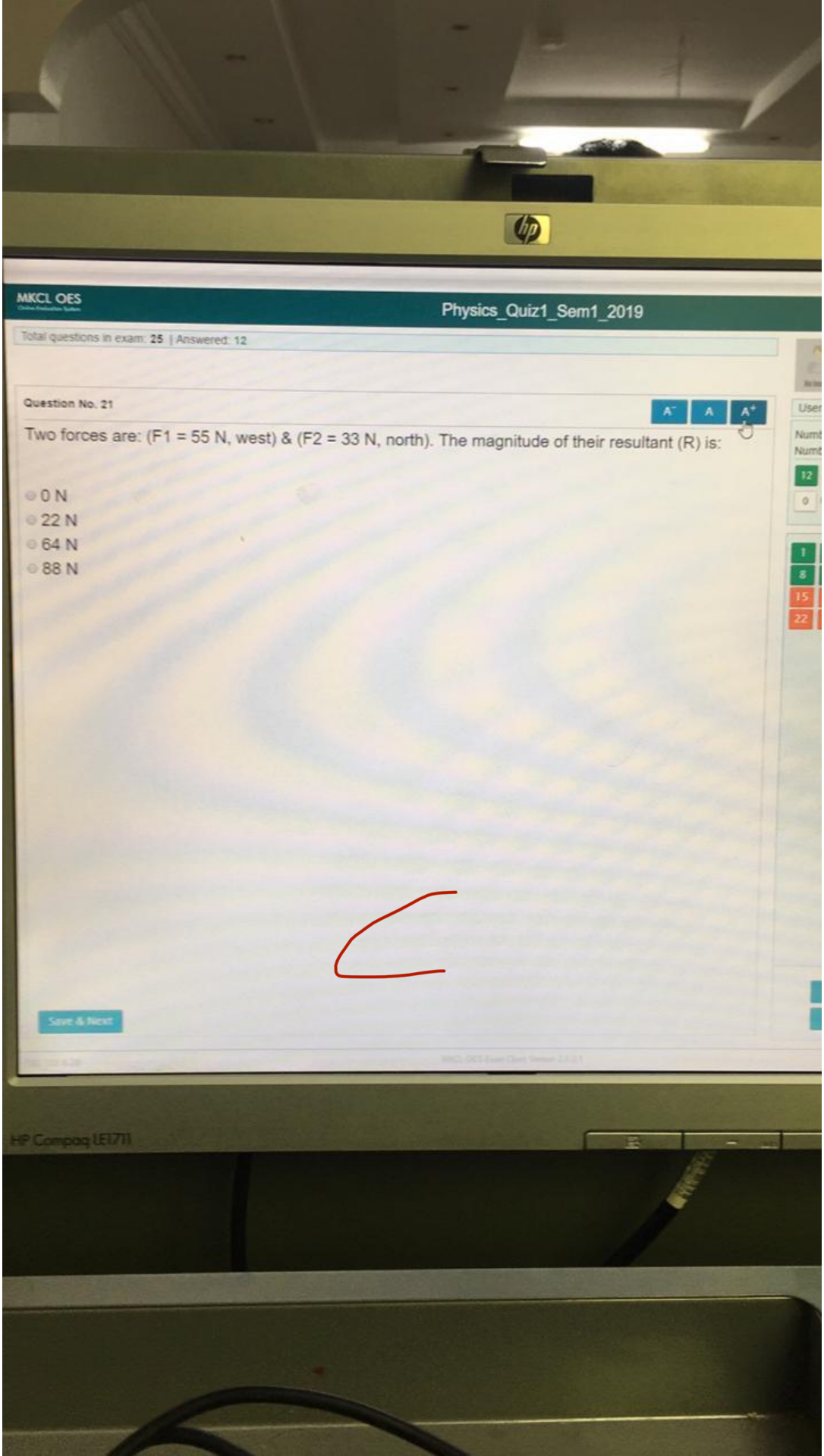
HP L1710


MKCL OES
Physics_Quiz1_Sem1_2019
Total questions in exam: 25 | Answered: 12
Question No. 21
A- A A+
Two forces are: (F1 = 55 N, west) & (F2 = 33 N, north). The magnitude of their resultant (R) is:
0 N
22 N
64 N
88 N
Save & Next
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MKCL OES

Physics_Quiz1_Sem1_2019

Total questions in exam: 25 | Answered: 12

Question No. 22

A⁻ A A⁺

Three forces are: (F1 = 40 N, north), (F2 = 0, east) and (F3 = 50 N, north). Their resultant (R) is:

- 30 N, north-west
- 90 N, south
- 30 N, north-east
- 90 N, north

D

Save & Next

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Physics_Quiz1_Sem1_2019

Total questions in exam: **25** | Answered: 12

Question No. 19

A⁻ A A⁺

A quantity that requires both magnitude and direction is called:

- speed
- scalar
- mass
- vector

D

Save & Next

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Physics_Quiz1_Sem1_2019

Total questions in exam: 25 | Answered: 12

Question No. 24

If 1 μm = 1000 nm, then 100 nm equals:

- 1 μm
- 0.1 μm
- 0.001 μm
- 0.01 μm

B

Save & Next

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MKCL OES

Physics_Quiz1_Sem1_2019

Total questions in exam: 25 | Answered: 24

Question No. 13

A length of 997.8 mm is equal to:

- 0.09978 m
- 0.9978 m
- 99.78 m
- 9.978 m

B

Save & Next

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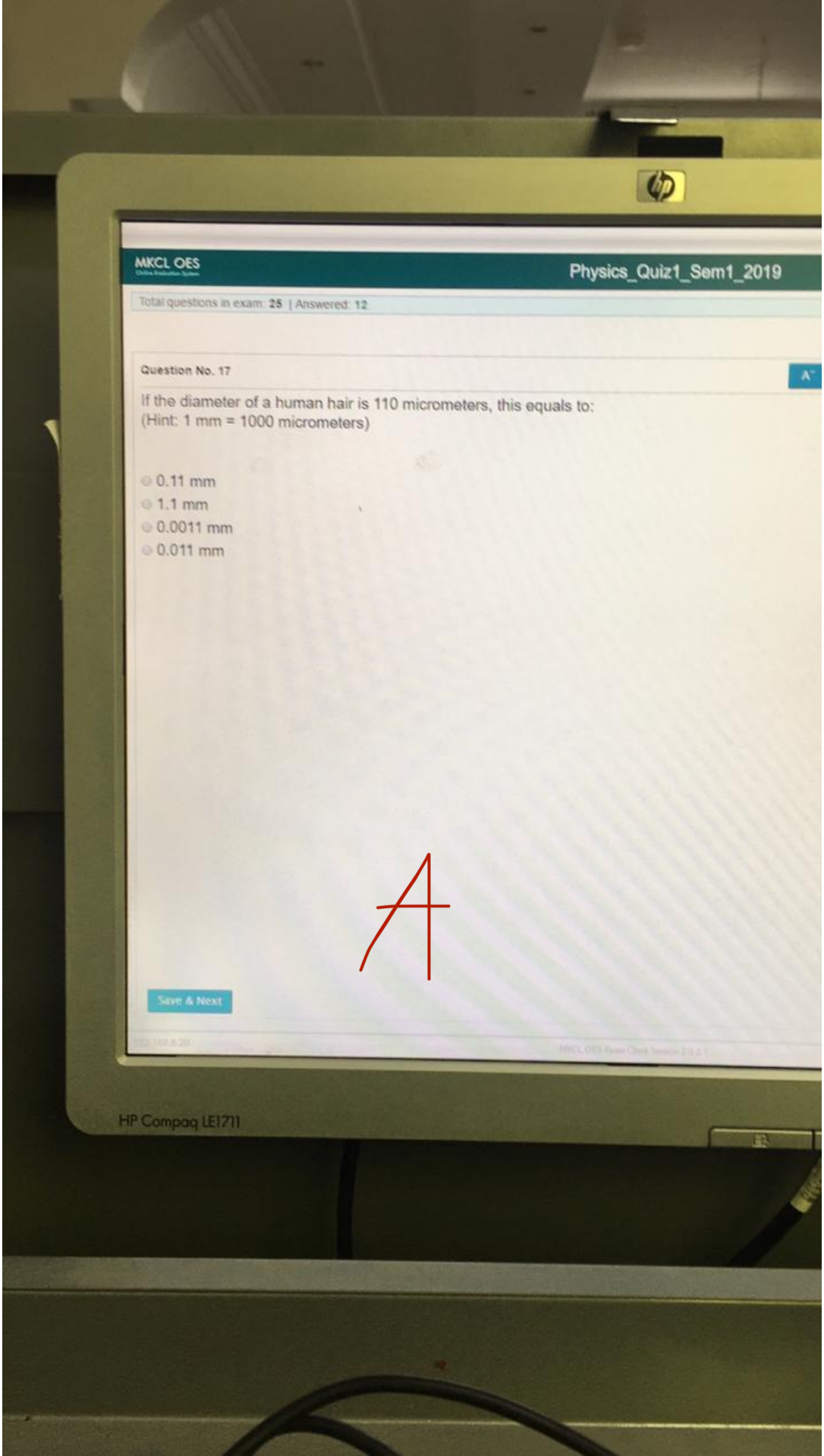
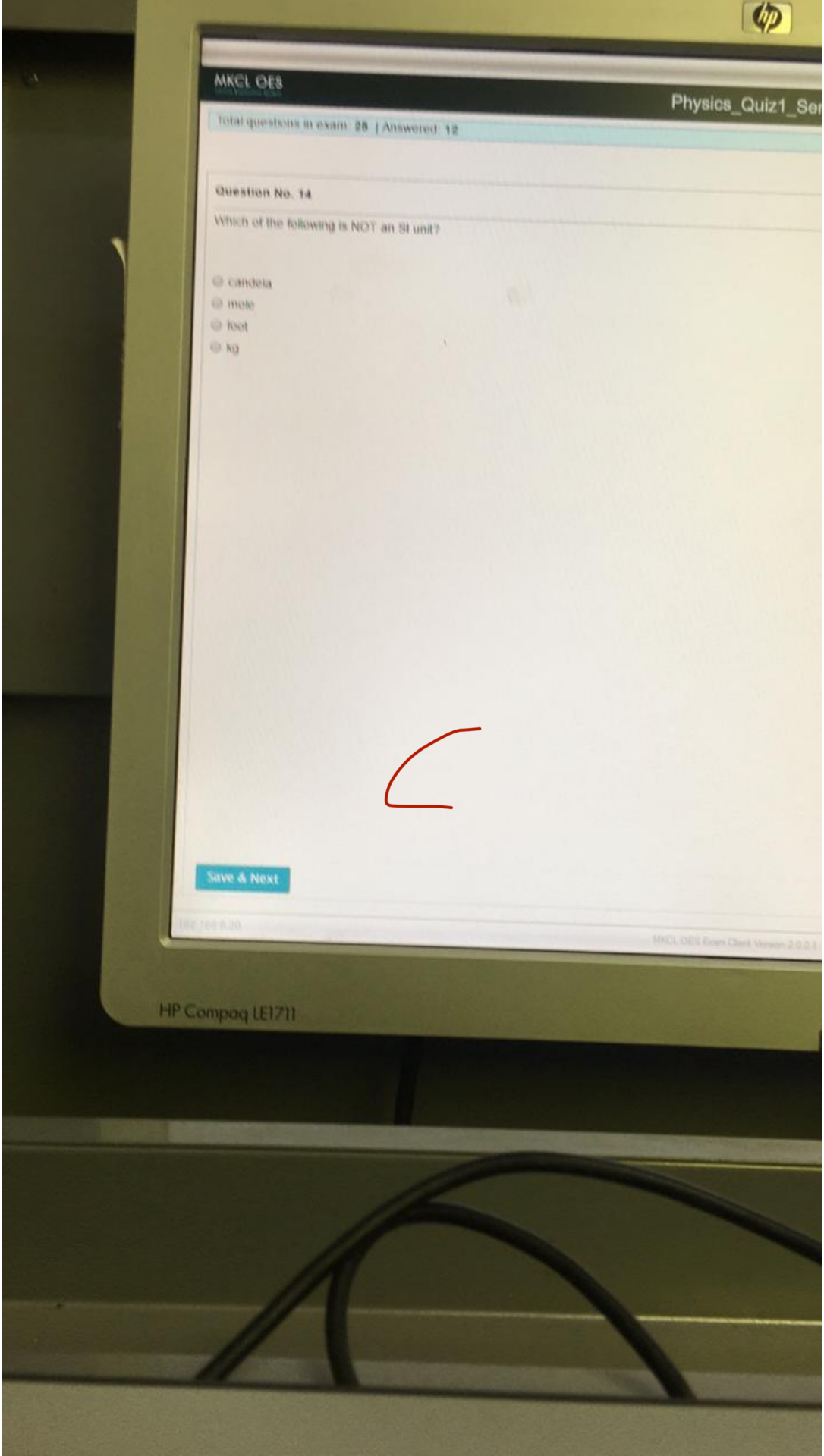

MKCL OES
Physics_Quiz1_Sem1_2019
Total questions in exam: 25 | Answered: 12
Question No. 17
A+
If the diameter of a human hair is 110 micrometers, this equals to:
(Hint: 1 mm = 1000 micrometers)
0.11 mm
1.1 mm
0.0011 mm
0.011 mm
A
Save & Next
HP Compaq LE1711


MKCL OES
Physics_Quiz1_Ser
Total questions in exam: 25 | Answered: 12
Question No. 14
Which of the following is NOT an SI unit?
candela
mole
foot
kg
Save & Next
HP Compaq LE1711

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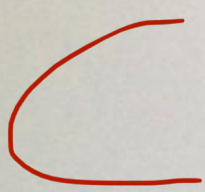
Online Evaluation System

Total questions in exam: **25** | Answered: **0**

Question No. 1

The number of decimal places in (0.52) is:

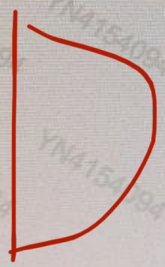
- 5
- 4
- 2
- 3



Question No. 2

An object is pulled vertically up with two ropes. If the tension in the ropes are 330 N and 326 N, its horizontal component is.

- 4 N
- 656 N
- 330 N
- 0 N



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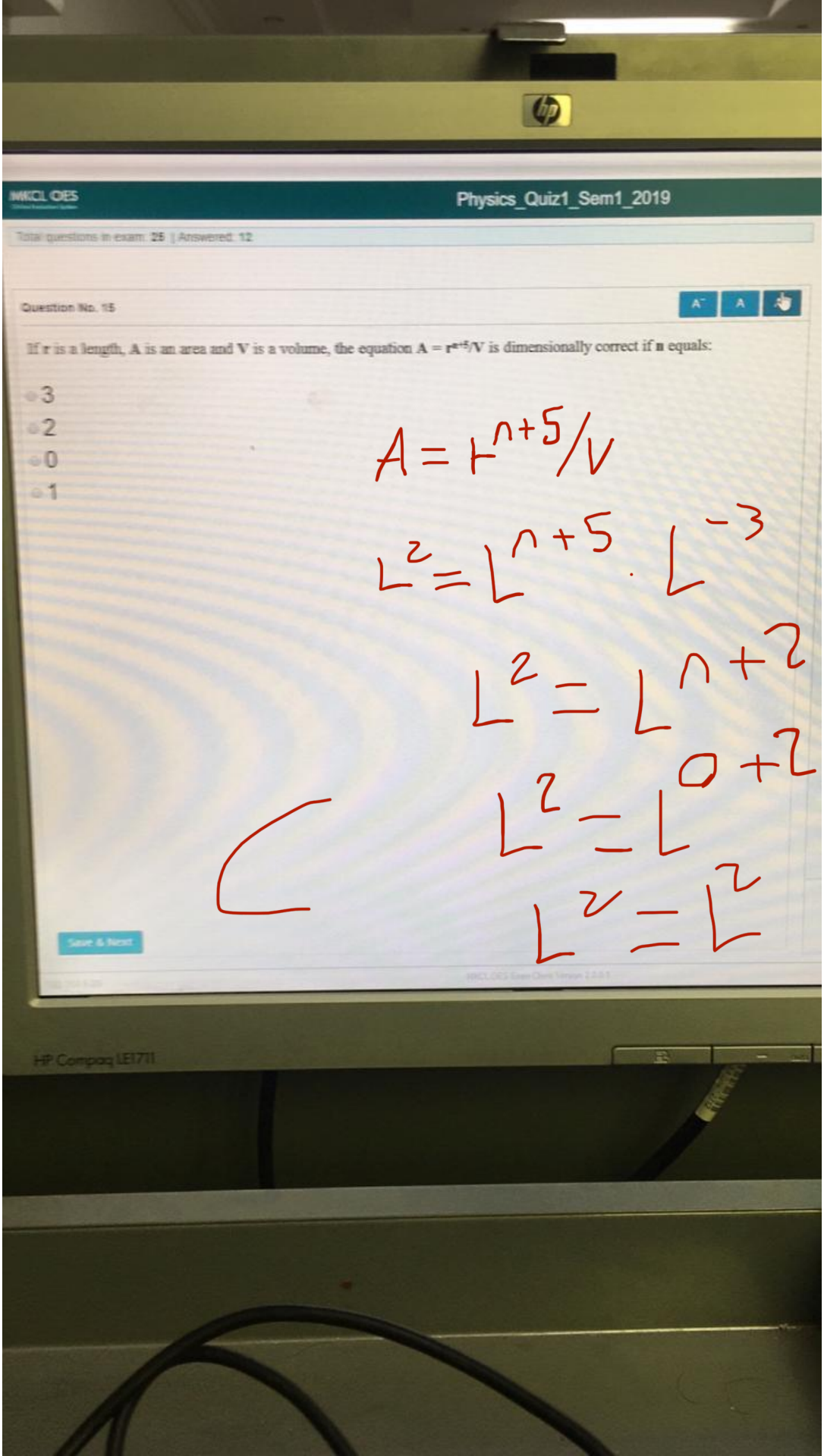
Physics_Quiz1_Sem1_2019
Total questions in exam: 25 | Answered: 12
Question No. 15
If r is a length, A is an area and V is a volume, the equation A = r^(n+5)/V is dimensionally correct if n equals:
3
2
0
1
A = r^(n+5)/V
L^2 = L^(n+5) . L^-3
L^2 = L^(n+2)
L^2 = L^(0+2)
L^2 = L^2
Save & Next
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Physics_Quiz1_Sem1_2019

Total questions in exam: **25** | Answered: **23**

Question No. 24

A⁻

If 1 μm = 1000 nm, then 100 nm equals:

- 1 μm
- 0.1 μm
- 0.001 μm
- 0.01 μm

13

Save & Next

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Physics_Quiz1_Sem1_2019

Total questions in exam: **25** | Answered: 1

Question No. 4

A⁻ A

Which of the following numbers has three significant figures:

- 0.220
- 220
- 0.022
- 0.2002

A

Save & Next

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Physics_Quiz1_Sem1_2019

Total questions in exam: 25 | Answered: 24

Question No. 25

A⁻ A A⁺

If **r** is a length, **v** is a speed and **t** is time, the equation $v = t^2/k + r/t$ is dimensionally correct if **k** has the dimension of:

- $L^{-1}T^{3}$
- TL
- L
- LT^{+2}

A $L^{-1}T^{3}$

Save & Next

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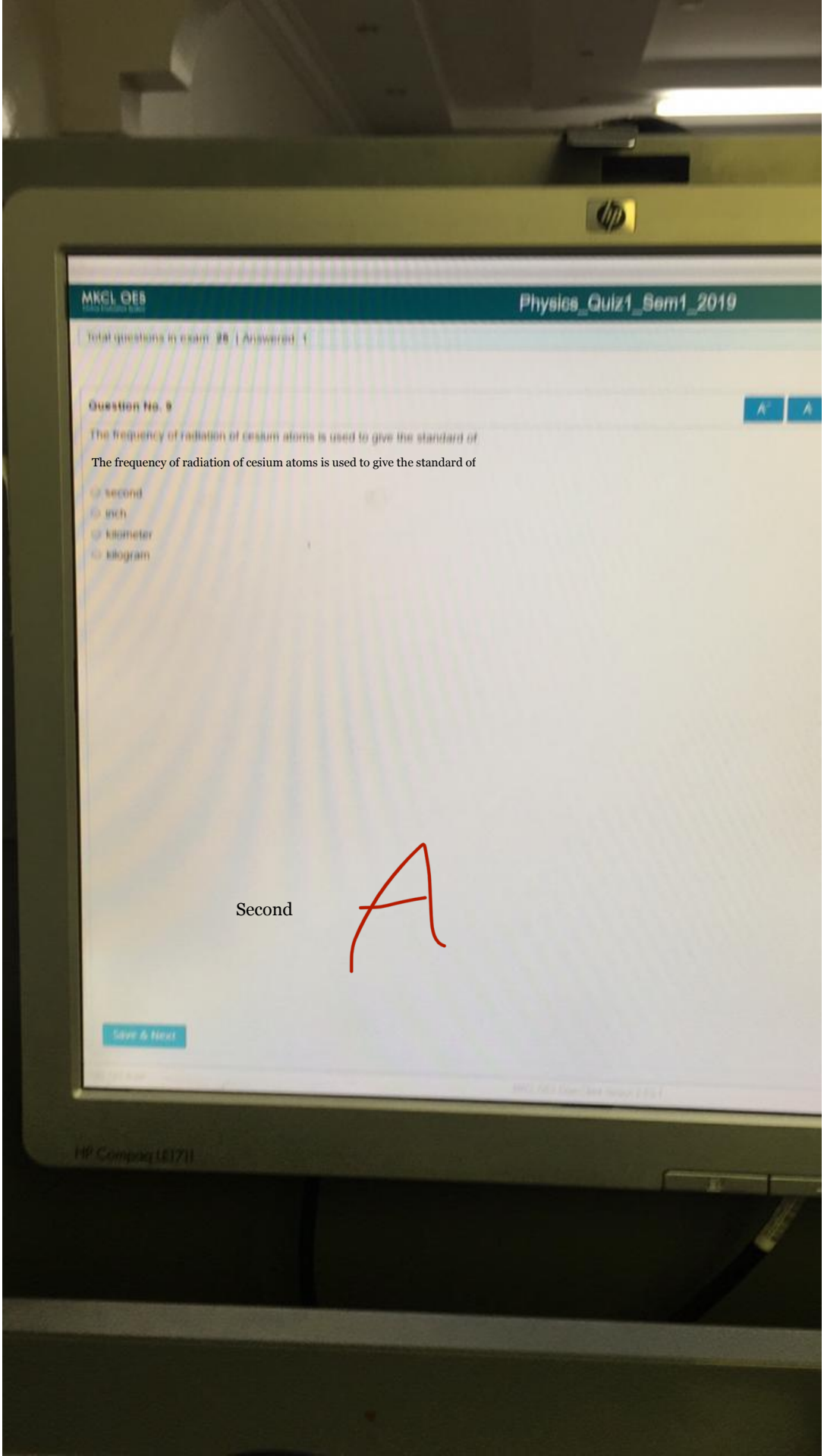
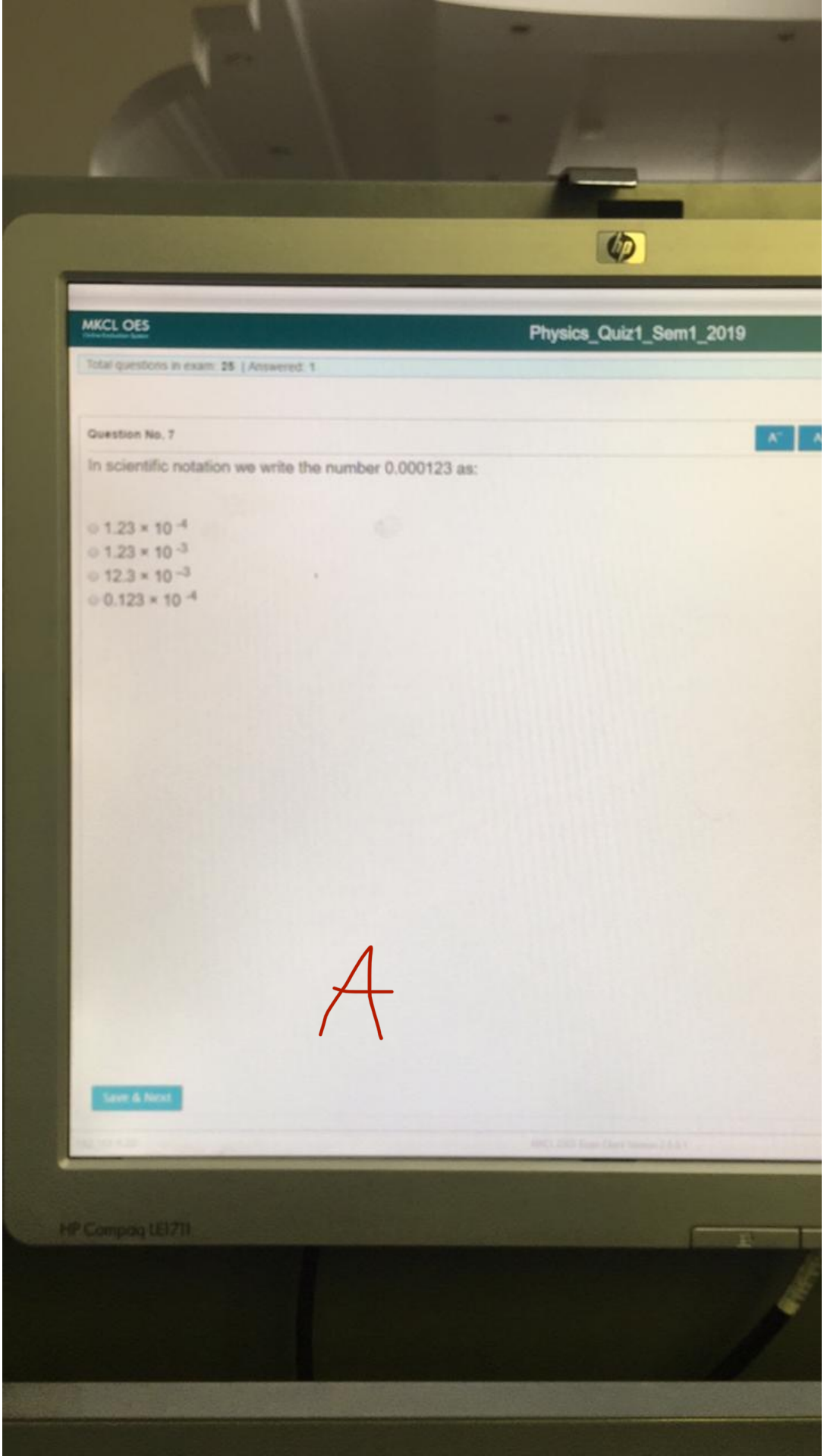

MKCL OES
Physics_Quiz1_Sem1_2019
Total questions in exam: 25 | Answered: 1
Question No. 9
The frequency of radiation of cesium atoms is used to give the standard of
The frequency of radiation of cesium atoms is used to give the standard of
second
inch
kilometer
kilogram
Second
A
Save & Next


MKCL OES
Physics_Quiz1_Sem1_2019
Total questions in exam: 25 | Answered: 1
Question No. 7
In scientific notation we write the number 0.000123 as:
1.23 × 10 -4
1.23 × 10 -3
12.3 × 10 -3
0.123 × 10 -4
A
Save & Next
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Physics_Quiz1_Sem1_2019

Total questions in exam: 25 | Answered: 1

Question No. 2

A⁻ A A⁺

Taking significant figures into account, the area of a (2.5 cm × 2.0 cm) rectangle is correctly given as:

- 5.000 cm^2
- 5 cm^2
- 5.00 cm^2
- 5.0 cm^2

D

Save & Next

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Physics_Quiz1_Sem1_2019

Total questions in exam: **25** | Answered: **12**

Question No. 23

A⁻ A A⁺

A 7.5-g diamond is weighed on a scale of 0.1-g smallest division. The weight that is correct within the scale's precision is:

- 6.7 g
- 7.2 g
- 7.9 g
- 7.4 g

Save & Next

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Physics_Quiz1_Sem1_2019

Total questions in exam: 25 | Answered: 1

Question No. 12

A- A A+

How long does it take for an object travelling with an acceleration of 3 m/s/s in straight line to increase its speed uniformly from 3 m/s to 30 m/s

- 9 s
- 1 s
- 81 s
- 3 s

A

Save & Next

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Physics_Quiz1_Sem1_2019

Total questions in exam: 25 | Answered: 1

Question No. 11

A Dodge car has an acceleration of 43 (km/h)/s. This equals:

- 7 m/s/s
- 12 m/s/s
- 21 m/s/s
- 43 m/s/s

B

Save & Next

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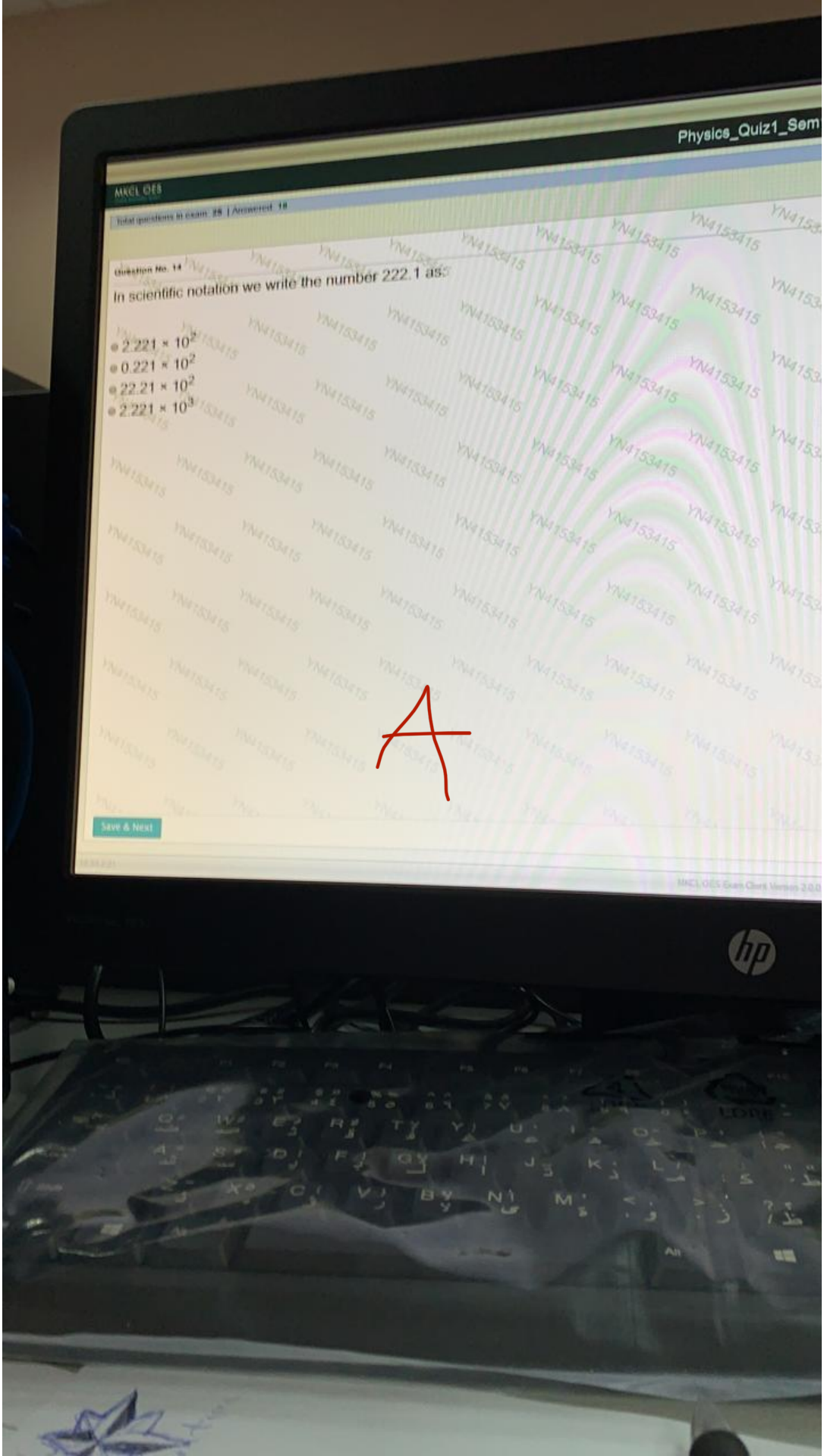
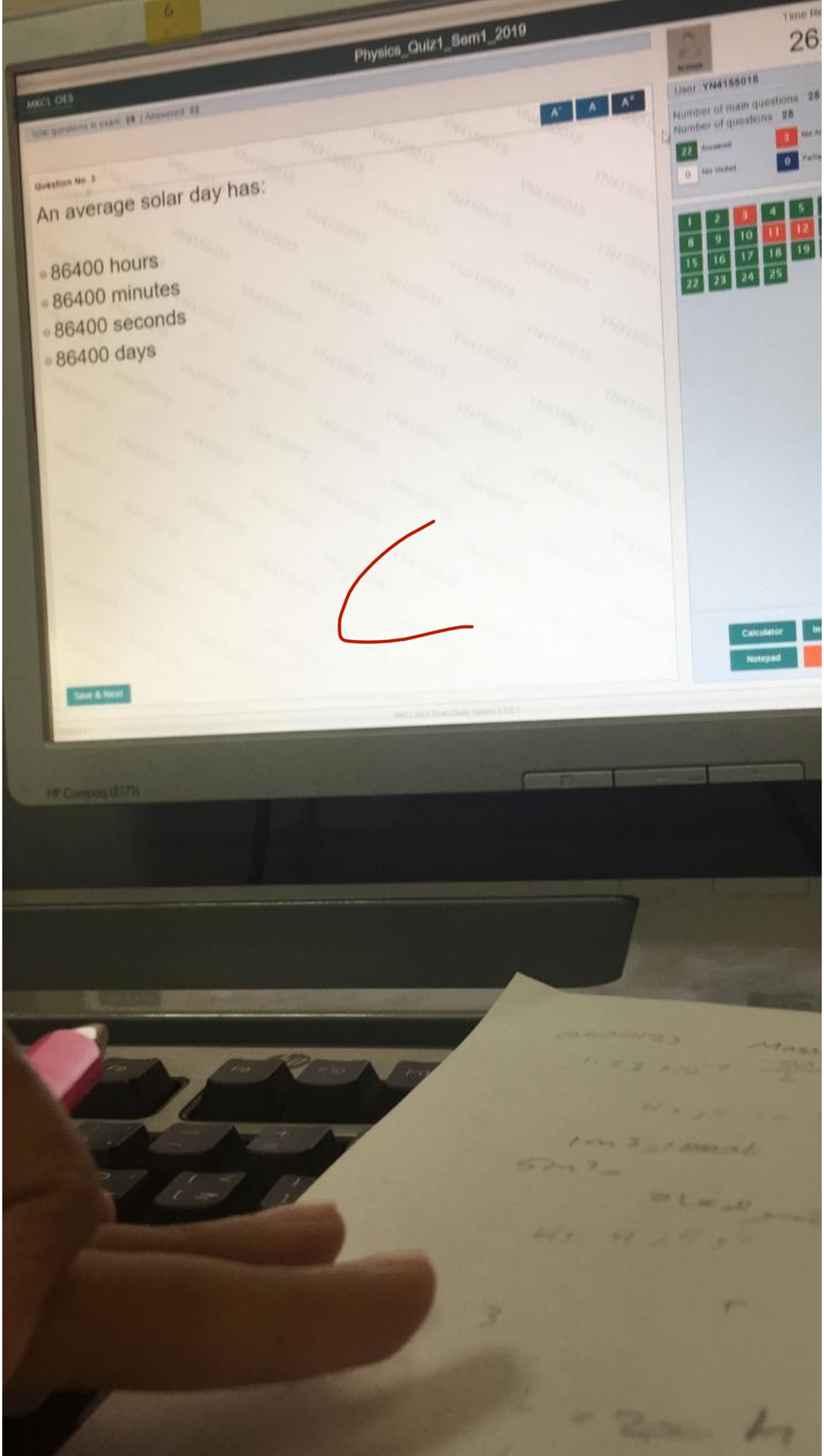

Physics_Quiz1_Sem
MKCL OES
Question No. 14
In scientific notation we write the number 222.1 as:
2.221×10^2
0.221×10^2
22.21×10^2
2.221×10^3
A
Save & Next


Physics_Quiz1_Sem1_2019
MKCL OES
Question No. 3
An average solar day has:
86400 hours
86400 minutes
86400 seconds
86400 days
Save & Next
Calculator
Notepad

NKCL OES

Physics_Quiz1_Sem1_2019

Total questions in exam: 25 | Answered: 21

Question No. 14

A⁻

If **r** is a length, **A** is an area and **V** is a volume, the equation $A = r^{1-n}/V$ is dimensionally correct if **n** equals:

- 5
- -5
- 1
- -1

$L^2 = L^{4-n} \cdot L^{-3}$

$= L^{4-n-3}$

$= L^{5} \cdot L^{-3}$

$= L^{2}$

D

Save & Next

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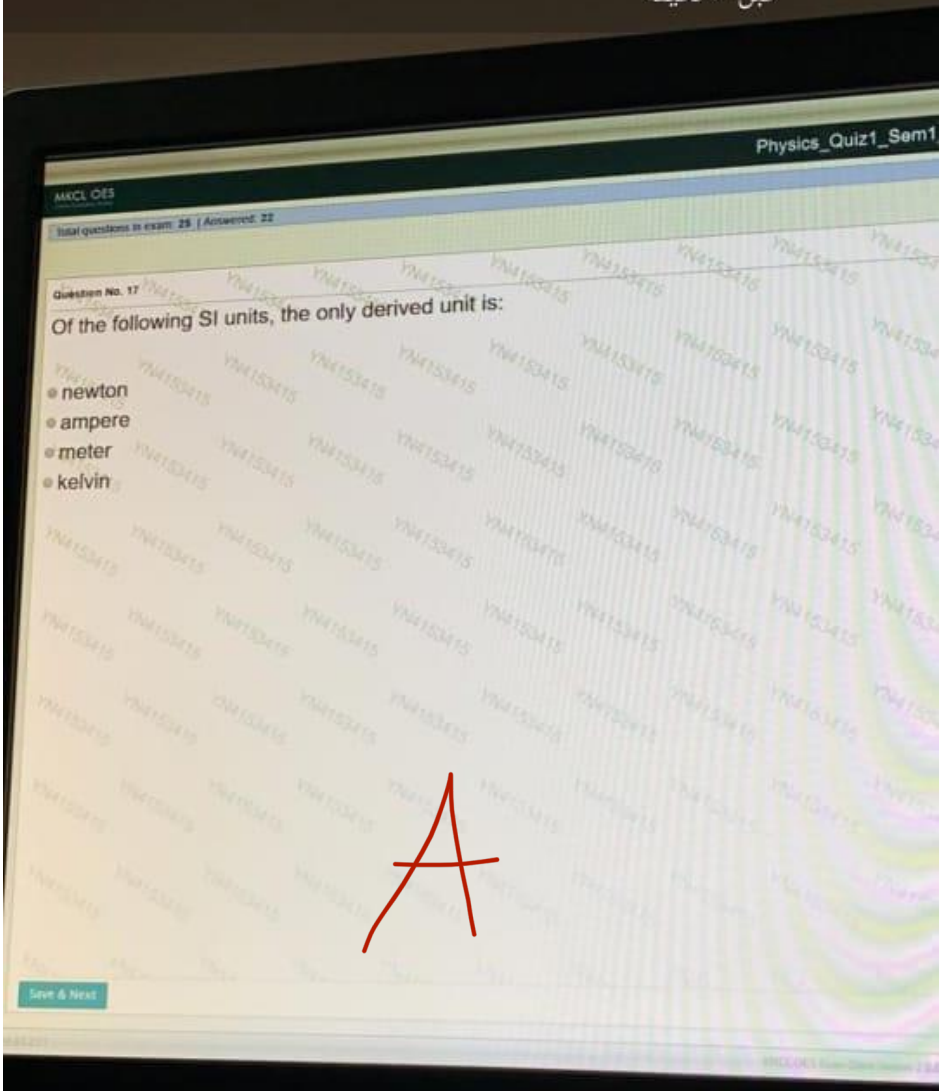
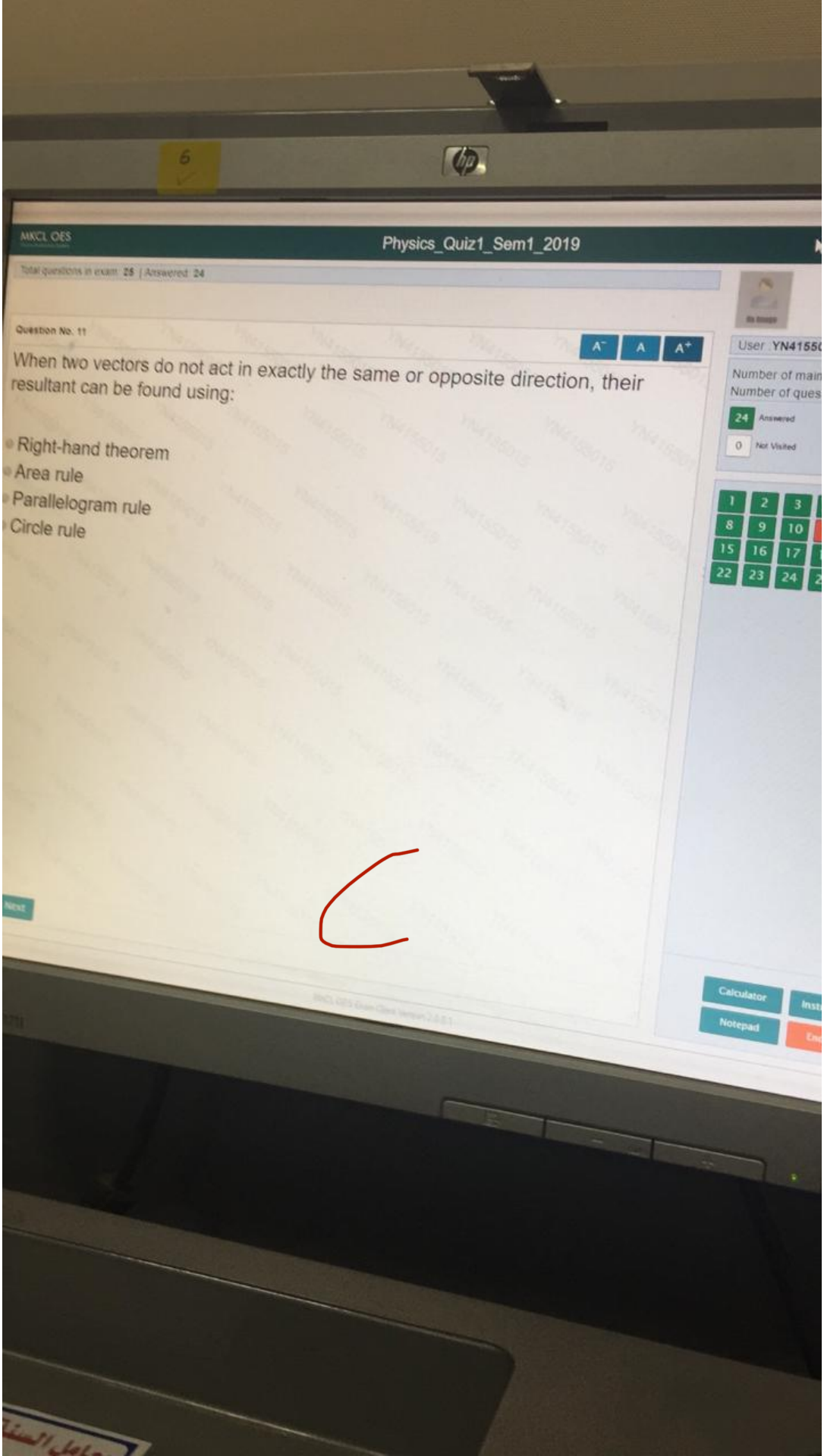
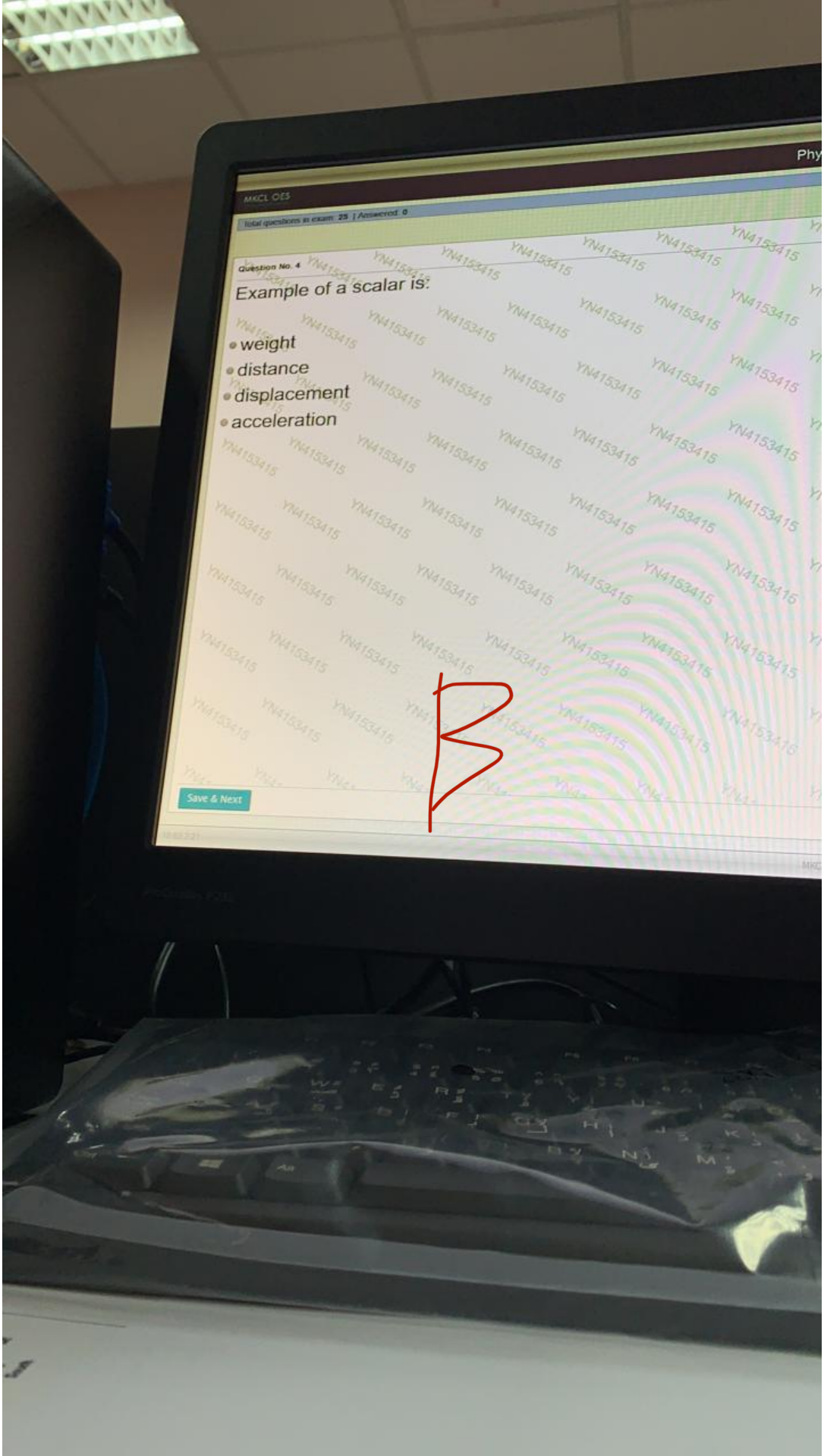



MKCL OES
Physics_Quiz1_Sem1_2019
Total questions in exam: 25 | Answered: 24
Question No. 11
A⁻ A A⁺
When two vectors do not act in exactly the same or opposite direction, their resultant can be found using:
Right-hand theorem
Area rule
Parallelogram rule
Circle rule
User :YN4155
Number of main
Number of ques
24 Answered
0 Not Visited
1 2 3
8 9 10
15 16 17
22 23 24
Next
Calculator
Notepad


Phy
MKCL OES
Total questions in exam: 25 | Answered: 0
Question No. 4
Example of a scalar is:
weight
distance
displacement
acceleration
B
Save & Next

MKCL OES

Physics_Quiz1_Sem1_2019

Total questions in exam: 25 | Answered: 16

A⁻ A A⁺

Question No. 17

Assume that you were driving with a constant speed of exactly 120 km/h for 5 minutes. During this time your instantaneous speed is:

- 120 m/s
- 120 km/h
- 100 km/h
- unknown

B

Save & Next

HP LE1901w

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Physics_Quiz1_Sem1_2019

Total questions in exam: **25** | Answered: 12

Question No. 19

A⁻ A A⁺

A quantity that requires both magnitude and direction is called:

- speed
- scalar
- mass
- vector

Save & Next

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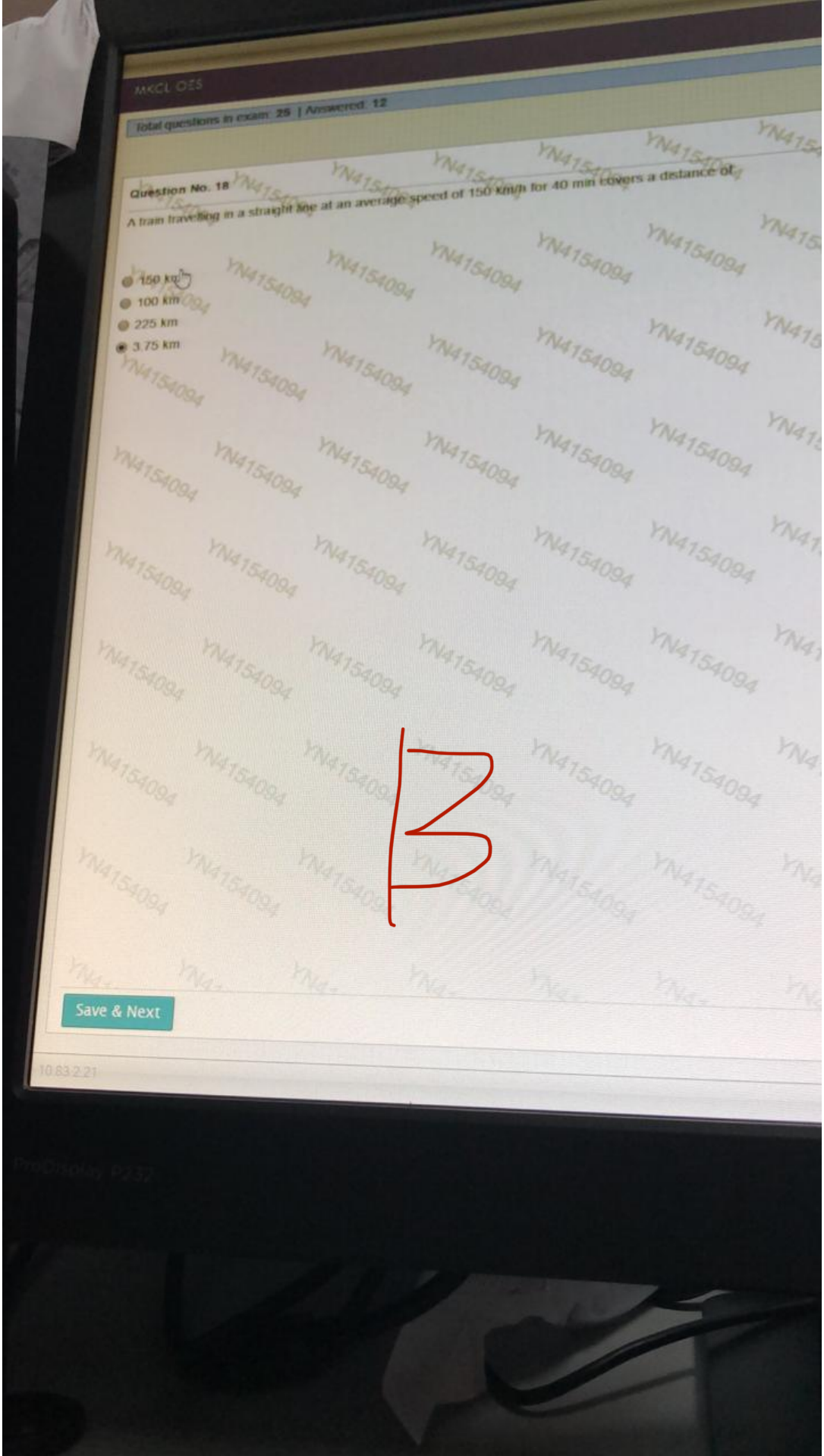
MKCL OES
Total questions in exam: 25 | Answered: 12
Question No. 18
A train travelling in a straight line at an average speed of 150 km/h for 40 min covers a distance of
150 km
100 km
225 km
3.75 km
B
Save & Next

Question No. 14

"Good precision" is an instrument's ability to give measurements that are:

None of these answers is correct

repeatedly far from each other

always scattered
(موزعة)

repeatedly close to each other

Save & Next حفظ والتالي

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Question No. 21

A vector is represented by:

- a square
- a triangle
- a circle
- an arrow

Save & Next حفظ و التالي

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Physics_Quiz1_Sem1_2017

Time Remaining
50:07

User 160912

Number of questions 25

4 Answered

3 Not Answered

13 Not Visited

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

Question No. 12

Using a ruler with cm and mm divisions to measure a certain length, we get a value of 11.2 cm. Our measurement can then be written as:

A L = 11.2 cm ± 1%

B L = 11.2 cm ± 3%

C L = 11.2 cm ± 2%

D L = 11.2 cm ± 5%

A

Question No. 25

A box is pulled vertically up with rope. If the tension in the rope is 140 N, its vertical component is:

- 100 N
- 70 N
- 0 N
- 140 N

D

MKCL OES

Question No. 13

The uncertainty in the measurement 8.8 ± 0.1 cm is:

- 0.1 cm
- 0.2 cm
- 0.01 cm
- 0.02 cm

Save & Next حفظ والتالي

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Question No. 8

The dimensions of (mass × speed/time) is:

- $M L T^{-2}$
- $M L^2 T^{-1}$
- $M L^2 T^{-2}$
- $M L^{-1} T^{-1}$

Save & Next

Question No. 8

The dimensions of (mass/volume) is:

- kg/m^3
- g/cm^3
- ML^{-3}
- ML^3

Save & Next حفظ والتالي

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Question No. 16

A distance of 0.05 km is equal to:

- 50000 cm
- 5000 cm
- 500 cm
- 500000 cm

B

Save & Next حفظ والتالي

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Question No. 22

Two forces are: (F1 = 30 N, north) & (F2 = 40 N, north). Their resultant (R) is:

- 50 N, north-east
- 50 N, north-west
- 70 N, north
- 70 N, south

Save & Next जतन व पुढील

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Physics_Qu

Question No. 6

When making measurements, the result of subtracting 2.04 from 12.7 is written as:

- 10.0
- 11.0
- 10.7
- 10.66

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Question No. 16

The capacity in liters of a 5-m^3 water tank is : (1 m^3 = 1000 L)

500 L
50000 L
5000 L
50 L

Question No. 6

Taking significant figures into account, the product 1.044 × 100 × 0.06 × 0.130, is correctly written as:

- 0.81432
- 0.8
- 0.814
- 0.81

B

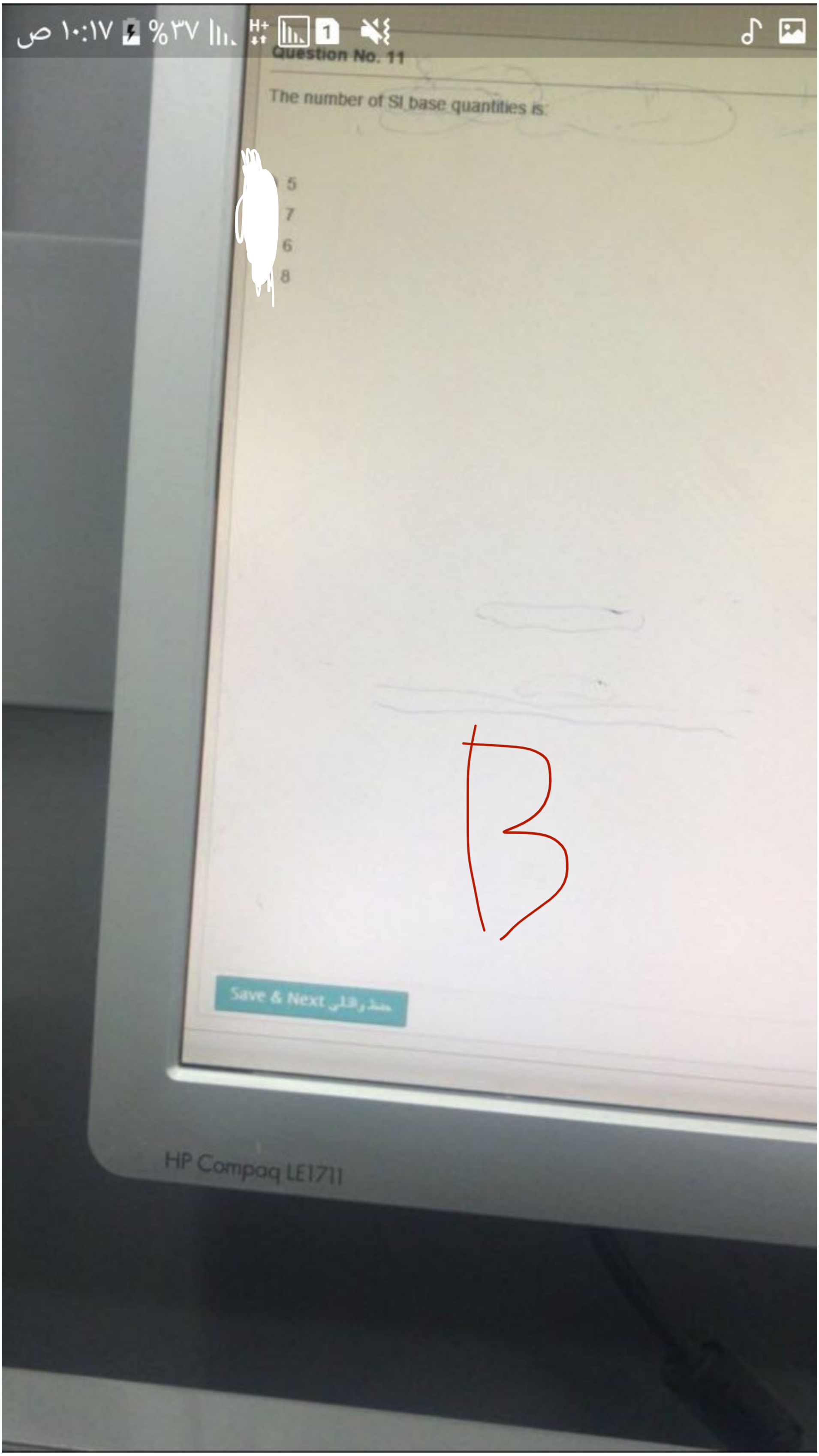
Question No. 10

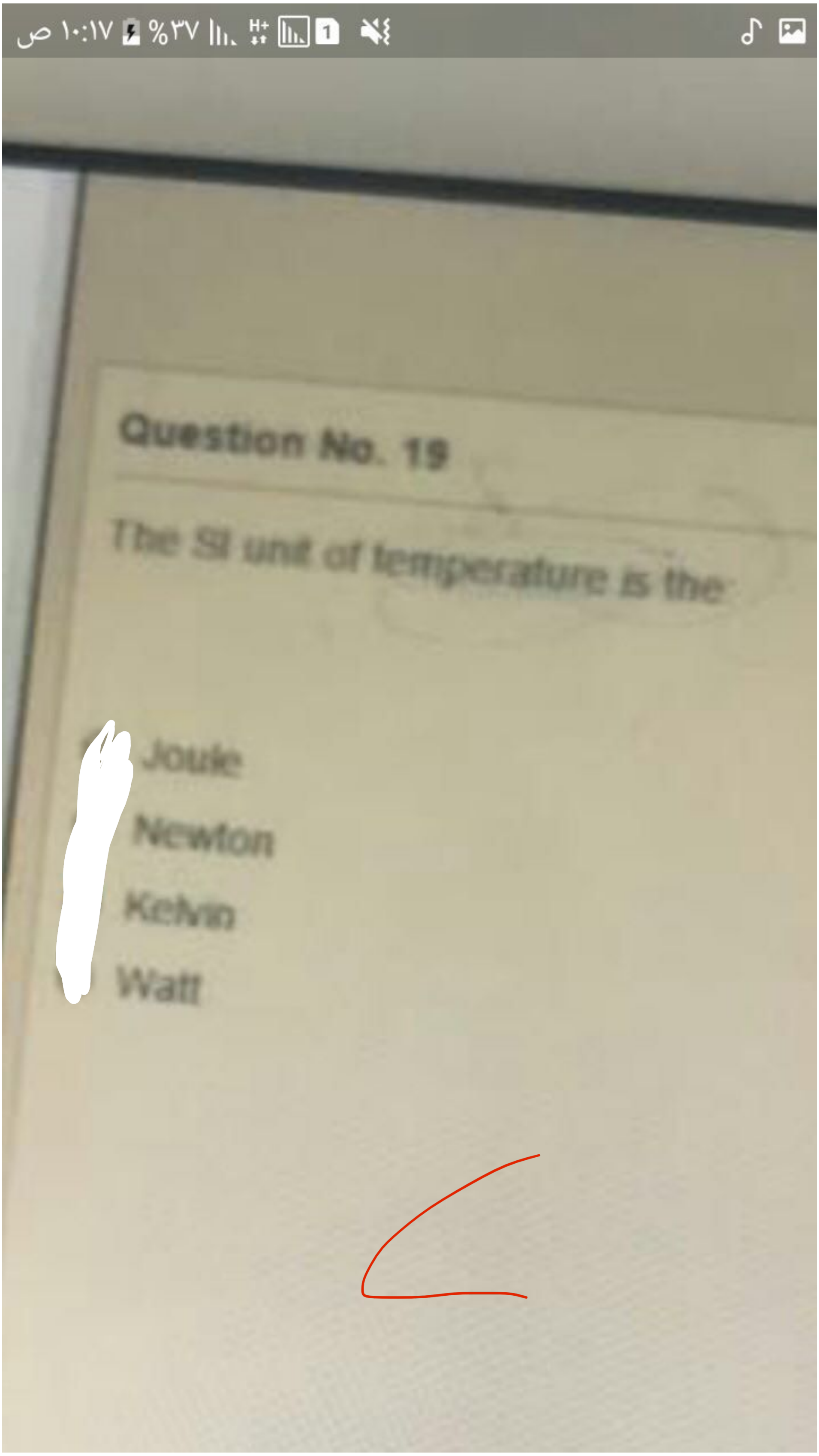
The height of the Preparatory-Year's building ≈ 12 m. In order-of-magnitude this height can be written as:

- 10^2 m
- 10^1 m
- 10^0 m
- 10^3 m

B

Physics_Quiz1_Sem
is measured to be about 1400 km. The number of significant figures in this measu
on No. 3
e distance between Sakaka and Makkah is me
4
1
2
3


١٠:١٧ ص
%٣٧
Question No. 11
The number of SI base quantities is:
5
7
6
8
B
Save & Next
HP Compaq LE1711


١٠:١٧ ص
%٣٧
Question No. 19
The SI unit of temperature is the
Joule
Newton
Kelvin
Watt

Question No. 18

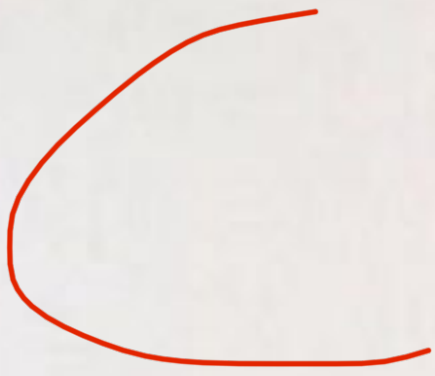
The only set of units among the following that is fully British System is:

centimeter, pound, second

foot, gram, second

foot, pound, second

inch, mile, kilometer



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Phys

Total questions in exam: **25** | Answered: **0**

Question No. 1

The percent uncertainty in the measurement m = 5.1 ± 0.1 g is:

- 3%
- 2%
- 1%
- 4%

B

Save & Next

Pr

MKCL OES
Online Evaluation System

Total questions in exam: **25** | Answered: **1**

Question No. 2

The frequency of radiation of cesium atoms is used to give the standard of:

- ◯ meter
- ◯ kilogram
- ◯ inch
- ◯ second

D

Save & Next حفظ والتالي

The smallest reading in a protractor is 1°. You measured an angle of 50°. Considering significant figures, cos(50) should be writte

- 0.643
- 0.64
- 0.6427876097
- 0.6428

B

MKCL OES

Physics_Quiz1_Sem2_

Total questions in exam: 25 | Answered: 0

Question No. 1

The dimensions of (time/volume) is

- TL^{-3}
- TL^{3}
- TL^{2}
- TL^{-2}

A TL^{-3}

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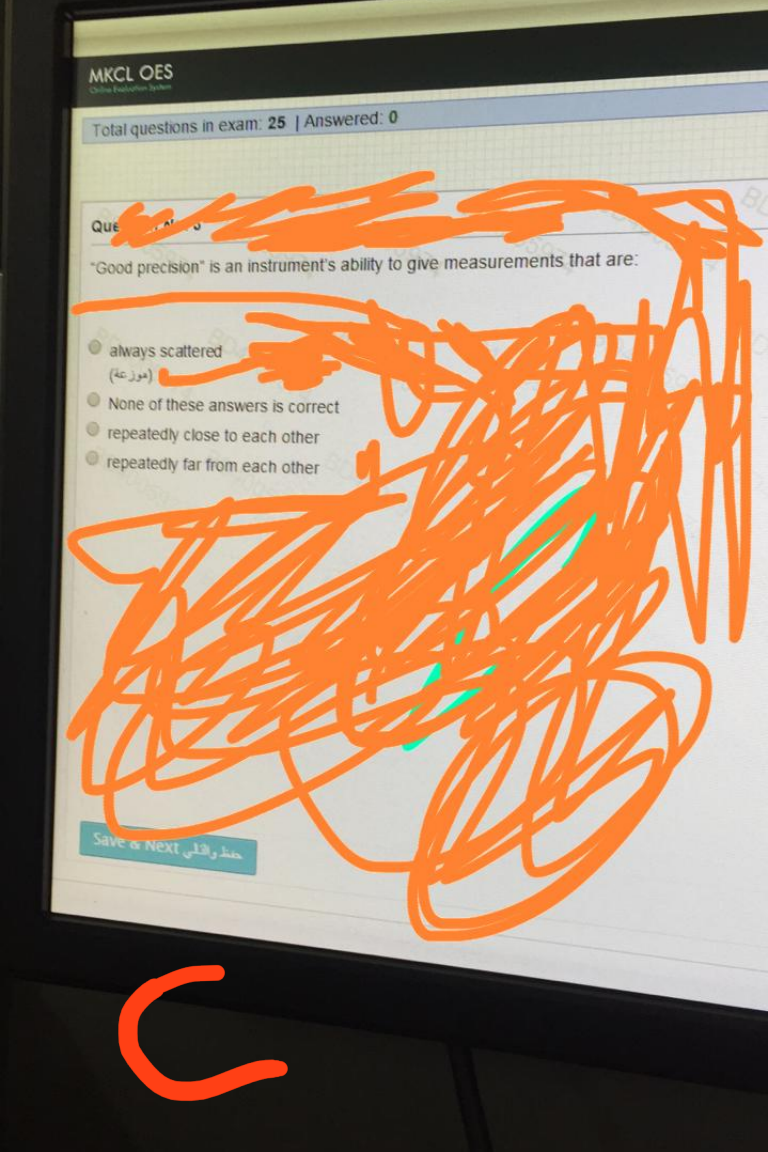
HP Compaq LE1711


MKCL OES
Total questions in exam: 25 | Answered: 0
"Good precision" is an instrument's ability to give measurements that are:
always scattered
(موزعة)
None of these answers is correct
repeatedly close to each other
repeatedly far from each other
Save & Next حفظ والتالي

MKCL OES
Online Evaluation System

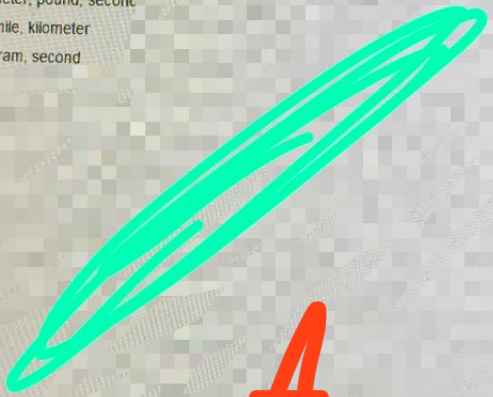
Phys

Total questions in exam: **25** | Answered: **0**

Question No. [redacted]

The only set of units among the following that is fully British System is:

- foot, pound, second
- centimeter, pound, second
- inch, mile, kilometer
- foot, gram, second



A

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MKCL OES

Online Evaluation System

Total questions in exam: **25** | Answered: **0**

The second is defined in terms of:

- the speed of light
- the wavelength of red light
- the frequency of radiation of cesium atoms
- a cylinder of platinum-iridium

Save & Next حفظ و تالي

MKCL OES
Online Evaluation System

Total questions in exam: 25 | Answered: 5

Question No. 7

In the scientific notation, 0.0021 is written as:

- 2.1×10^{3}
- 2.1×10^{-3}
- 2.1×10^{2}
- 2.1×10^{-2}

B

Save & Next जतन व पुढील

MKCL OES
Online Evaluation System

Total questions in exam: **25** | Answered: **2**

Question No. 17

Convert (5400 s) to minutes:

- 900 min
- 54 min
- 90 min
- 180 min

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Online Evaluation System

Total questions in exam: **25** | Answered: **2**

Question No. 24

Which of the following is a derived SI quantity?

- length
- electric current
- force
- temperature

MKCL OES
Online Evaluation System

Total questions in exam: **25** | Answered: **0**

Question No. 8

If **r** is a length and **t** is time, the equation

$$t = \sqrt{\frac{k.r}{t}}$$

is dimensionally correct if **k** has the dimension of:

- L T
- $T^3 L^{-1}$
- $L T^{-1}$
- $T L^{-2}$

B

NKCL OES

Physics_Quiz1_Sem2_2019

Total questions in exam: **25** | Answered: **9**

Question No. 4

The smallest reading in a protractor is 1°. You measured an angle of 50°. Considering significant figures, sin(50) should be written as:

- 0.766
- 0.8
- 0.77
- 0.7660444431

Save & Next حفظ والتالي

HP LE1901w

MKCL OES

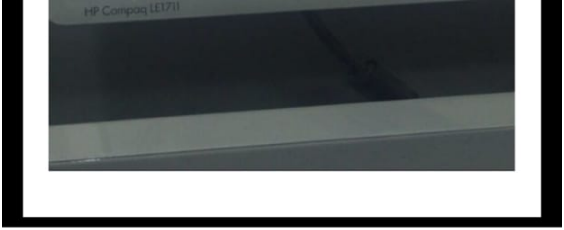
Total questions in exam: 25 | Answered: 4

Question No. 11

Example of a vector is:

- temperature
- time
- velocity
- mass

Save & Next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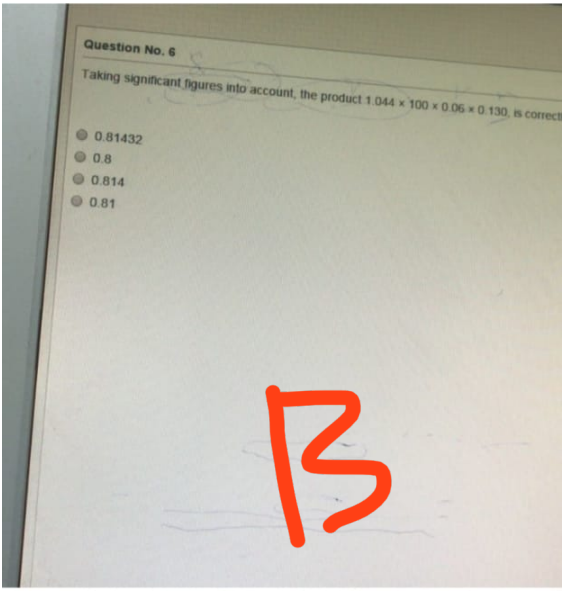
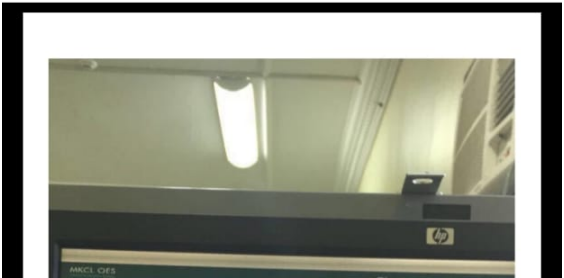

Question No. 6
Taking significant figures into account, the product 1.044 × 100 × 0.06 × 0.130, is correct
0.81432
0.8
0.814
0.81
B



MKCL OES

Total questions in exam: 25 | Answered: 4

The dimensions of (time/volume) is:

- TL^{-2}
- TL^{-3}
- TL^{3}
- TL^{-1}

B

Save & Next

Total questions in exam: 25 | Answered: 9

Question No. 18

In the scientific notation, 36900 is written as:

- 3.69×10^4
- 36.9×10^3
- 3.69×10^3
- 0.369×10^4

A

Total questions in exam: 25 | Answered: 11

Question No. 7

If t is time, r is a length, the equation

$$t = \sqrt{\frac{t}{k.r}}$$

is dimensionally correct if k has the dimension of:

- L T
- $L^{-1}T^{-1}$
- T / L
- L / T

B

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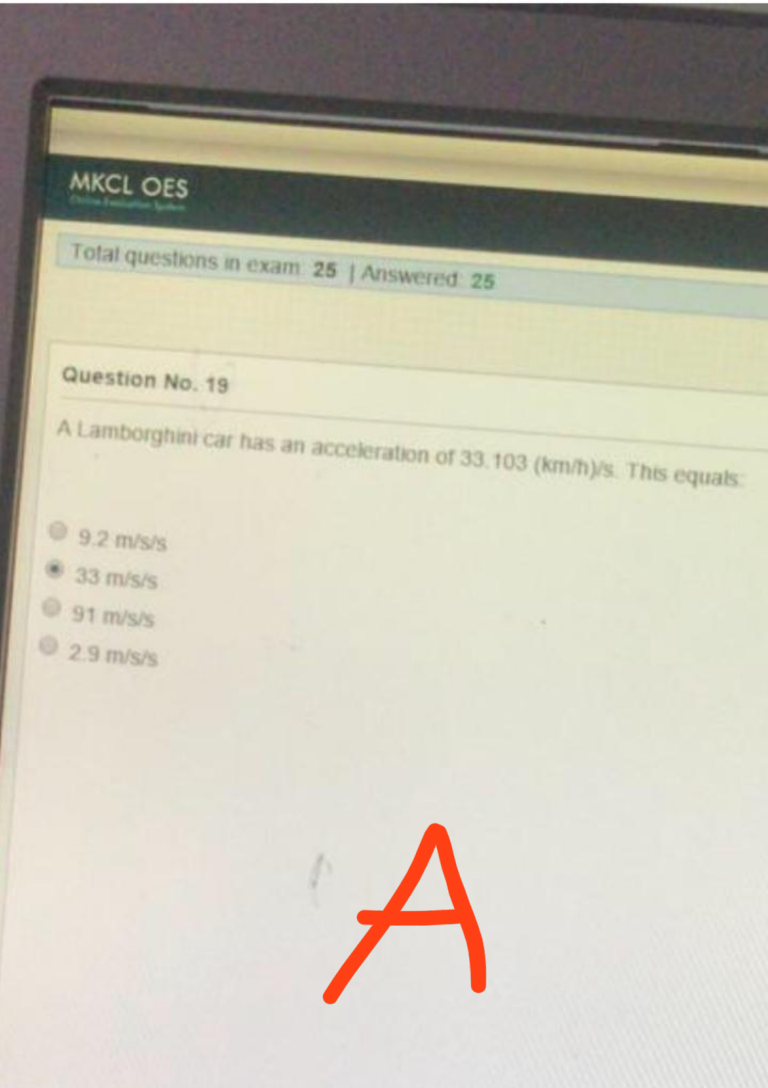
HP LE1901w

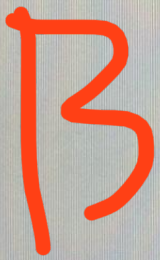

MKCL OES
Total questions in exam: 25 | Answered: 25
Question No. 19
A Lamborghini car has an acceleration of 33.103 (km/h)/s. This equals:
9.2 m/s/s
33 m/s/s
91 m/s/s
2.9 m/s/s
A

Total questions in exam: 25 | Answered: 19

Question No. 2

A lake with approximately circular surface has an average radius $r = 0.5\,km$ and average depth $h = 10\,m$. The volume $V = \pi r^2 h$ of this lake in liters (L) is approximately:

- 10^7 L
- 10^{10} L
- 10^5 L
- 10^{12} L

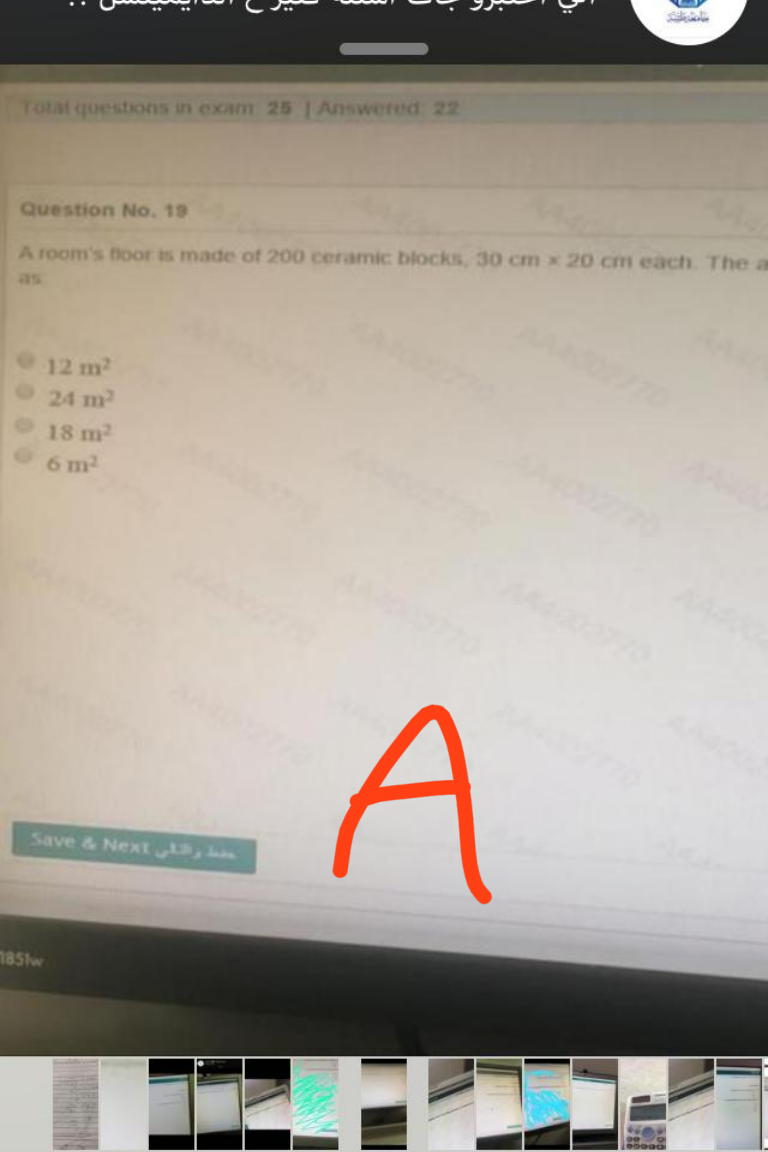


Question No. 18

A distance of 0.05 km is equal to:

- 50000 cm
- 5000 cm
- 500000 cm
- 500 cm

B


Total questions in exam: 25 | Answered: 22
Question No. 19
A room's floor is made of 200 ceramic blocks, 30 cm × 20 cm each. The a
as
12 m²
24 m²
18 m²
6 m²
A
Save & Next

MKCL OES

Total questions in exam: 25 | Answered: 23

A⁻

Question No. 24

If a car's average speed is 30 m/s on a 5-hour trip, the total distance it covers is:

- 150 km
- 540 km
- 450 km
- 504 km

B

Save & Next

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HP LE1901w

estion No. 16

A⁻ A

hen making measurements, the result of adding 10.4700 and 20.90 is correctly written as:

31.37
31
31.370
30

MKCL OES

Physics_Qu

Total questions in exam: 25 | Answered: 0

Question No. 15

Distance A is measured to be about 7700 km and B is measured with another instrument to be precisely

- 4 for A and 3 for B.
- 3 for A and 3 for B.
- 2 for A and 4 for B.
- 4 for A and 2 for B.

Save & Next

MKCL OES

Physics_Quiz1_Sem1_2019

Total questions in exam: 25 | Answered: 1

Question No. 3

Four forces are: (F1 = 70 N, up), (F2 = 110 N, up), (F3 = 30 down) and (F4 = 50 down). The magnitude of their resultant (R) is

- 100 N
- 0 N
- 150 N
- 200 N

Save & Next

MKCL OES

Physics_Quiz1_Sem1_2019

Total questions in exam: 25 | Answered: 7

Question No. 8

The smallest reading in a protractor is 1°. You measured an angle of 70°. Considering significant figures, cos(70) should be written as:

- 0.34202014 33
- 0.3
- 0.342
- 0.34

D

Save & Next

MKCL OES
Online Evaluation System

Total questions in exam: **25** | Answered: **1**

Question No. 2

The frequency of radiation of cesium atoms is used to give the standard of:

- meter
- kilogram
- inch
- second

D

L OES

otal questions in exam: 25 | Answered: 5

Question No. 4

"Accuracy" is an instrument's ability (قدرة جهاز) to give measurements that are:

- always close to the true values
- always scattered (موزعة)
- repeatedly wrong
- repeatedly close to each other

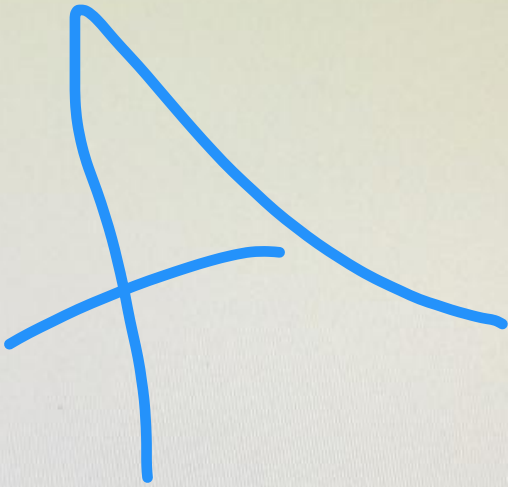
A

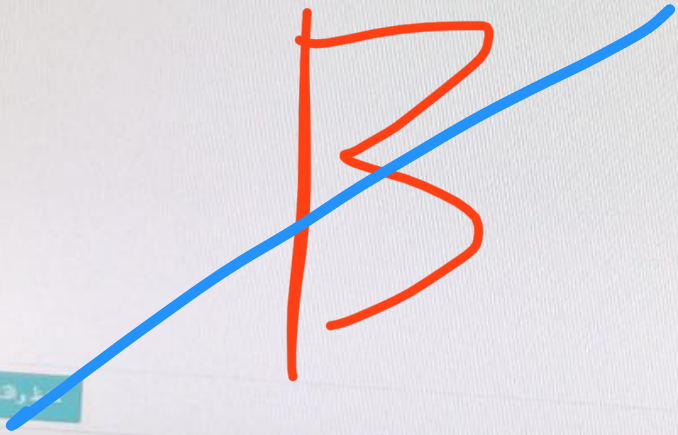
Total questions in exam: 25 | Answered: 25

Question No. 15

427 cm^2 to m^2: (1 m^2 = 10000 cm^2)

- 0.0427 m^2
- 0.427 m^2
- 4.27 m^2
- 42.7 m^2





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MKCL OES

Physics_Quiz1_Sem1_2018

Total questions in exam: 25 | Answered: 25

Question No. 16

If **r** is a length, **A** is an area and **V** is a volume, the equation $A = r^{n+3}/V$ is dimensionally correct if **n** equals

- 3
- 4
- 1
- 2 (selected)

D

ave & Next حفظ والتالي

MKCL OES

Question No. 21

A vector is represented by:

- a square
- a triangle
- a circle
- an arrow

D

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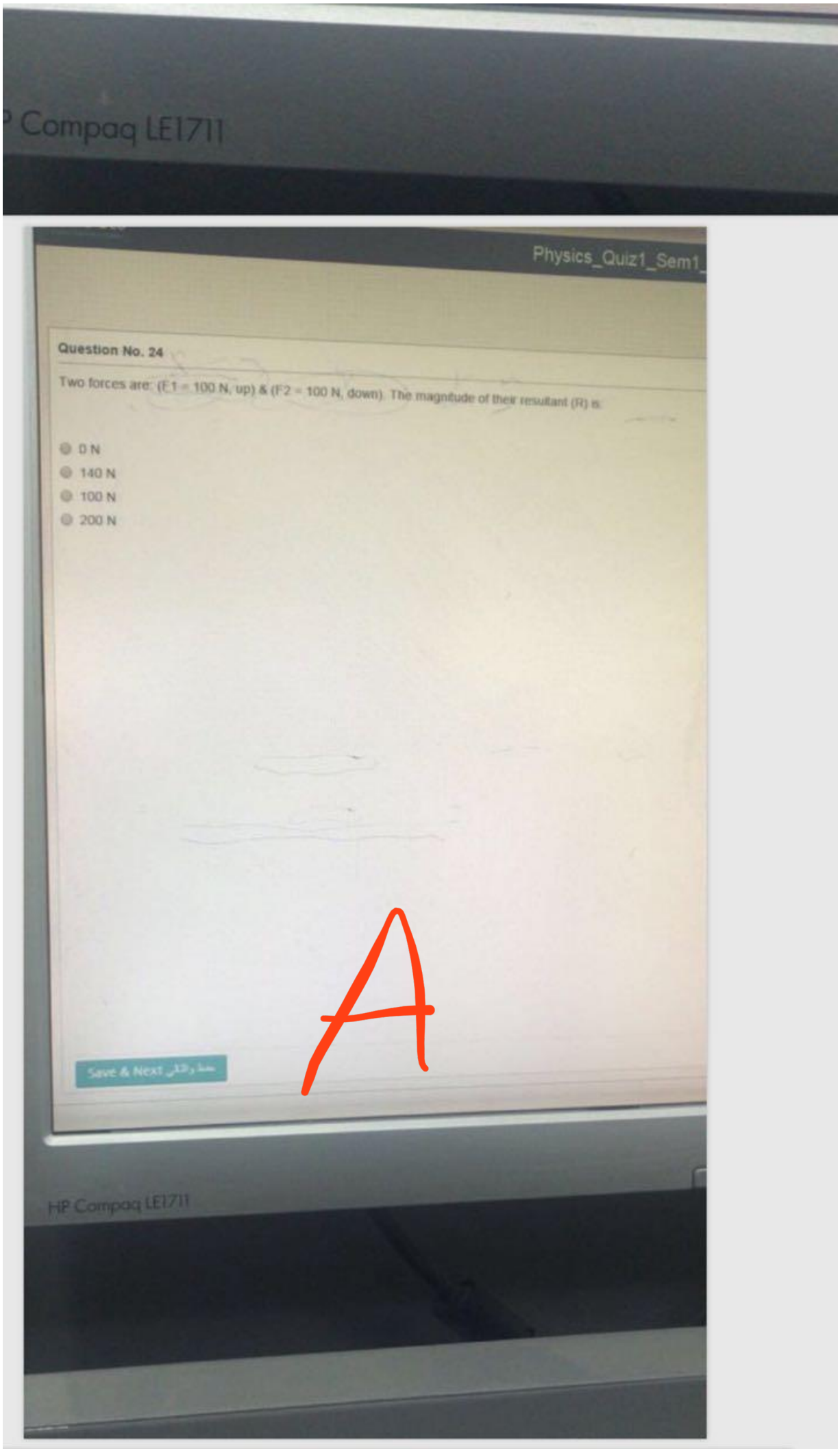
Question No. 22

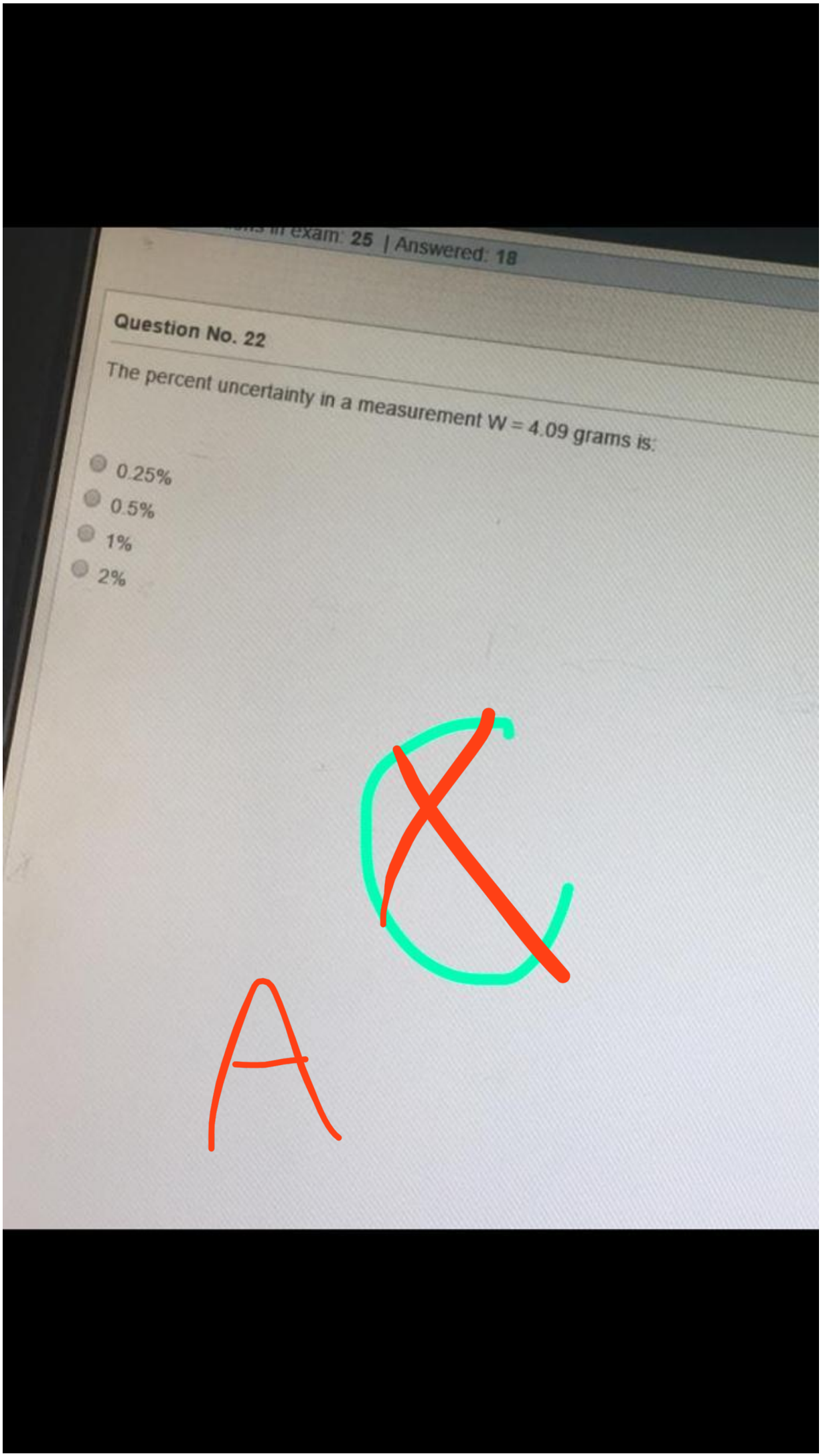
A vector is represented by:

- an arrow
- a square
- a circle
- a triangle

A

Save & Next




exam: 25 | Answered: 18
Question No. 22
The percent uncertainty in a measurement W = 4.09 grams is:
0.25%
0.5%
1%
2%
A
C

MKCL OES

Physics_Quiz1_Ser

Total questions in exam: 25 | Answered: 25

Question No. 17

When making measurements, the result of adding 1.04 and 25.7 is written as:

- 26.74
- 27
- 26
- 26.7

D

Save & Next जतन करा पुढे

MKCL OES

Physics_Qu

Total questions in exam: **25** | Answered: 7

Question No. 18

Three forces are: (F1 = 15 N, east), (F2 = 9 N, west) & (F3 = 3 N, west). Their resultant (R) is:

- 27 N, east
- 9 N, east
- 3 N, east
- 3 N, west

MKCL OES

Physic

Total questions in exam: 25 | Answered: 0

Question No. 2

A quantity that requires both magnitude and direction is called:

- scalar
- vector
- order of magnitude
- scientific notation

B

Save & Next حفظ والتالي

Question No. 16

The distance traveled by light in vacuum in 1/299792458 of a second is the standard of:

- kilogram
- meter
- second
- ampere

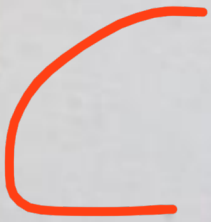
B

Total questions in exam: **25** | Answered: **5**

Question No. 25

An average solar day has 86400.

- hours
- minutes
- seconds
- years



Exam: 25 | Answered: 16

Physics_Quiz1_Sem1_2018

Question No. 19

The decimal form for 6.150×10^{-4} is:

- 0.0615000
- 0.0061500
- 0.0006150
- 0.0000615

User :MH3

Number of n
Number of q

16 Answered

0 Not Visited

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

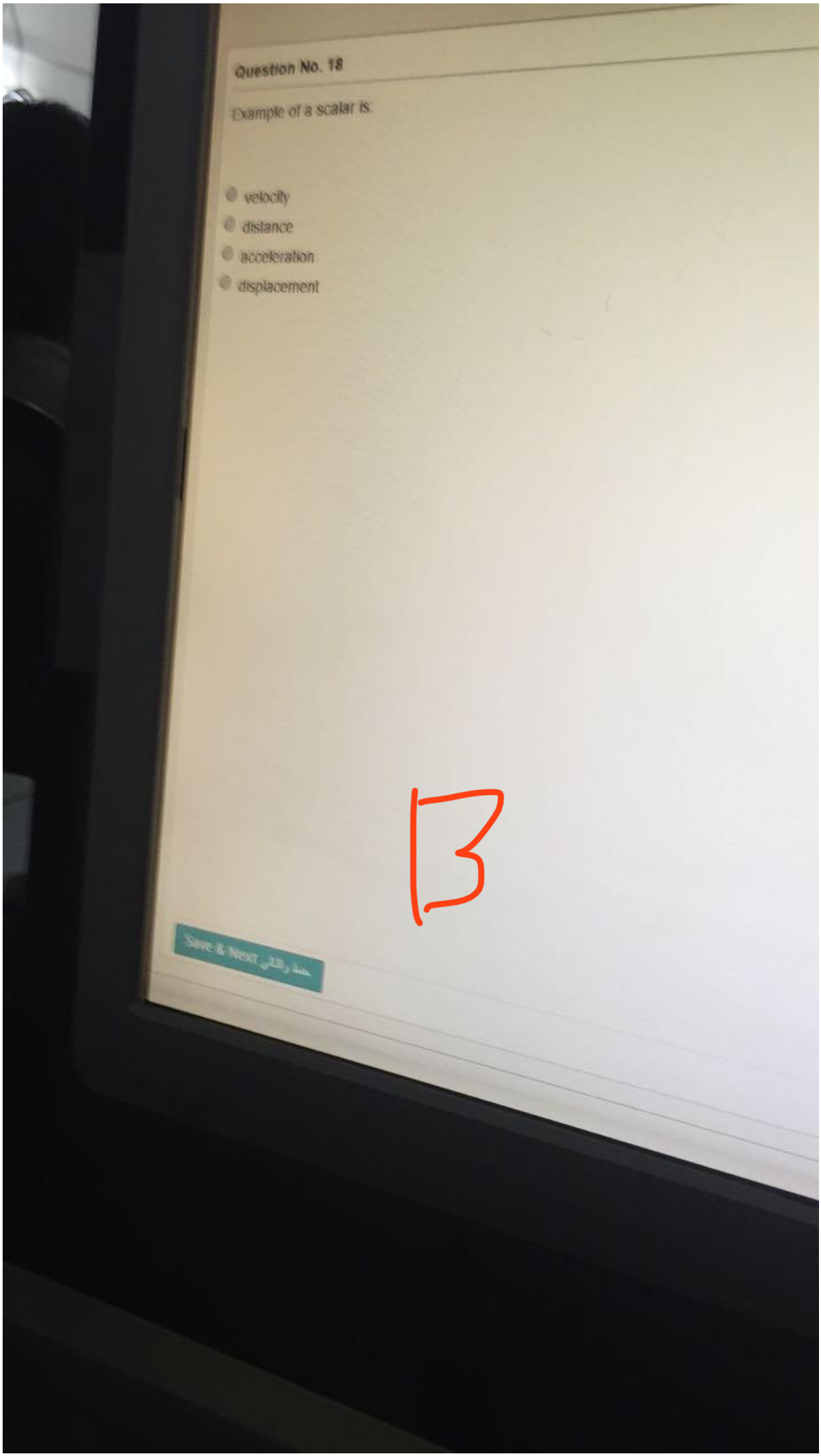
ons in exam: 25 | Answere

Question No. 19

The second is defined in terms of

- the wavelength of red light
- the speed of light
- a cylinder of platinum-iridium
- the frequency of radiation of cesium atoms

D


Question No. 18
Example of a scalar is:
velocity
distance
acceleration
displacement
B
Save & Next

Question No. 16

The scientific notation for 325 is:

- 3.25×10^{2}
- 3.25×10^{3}
- 3.25×10^{1}
- 3.25×10^{-2}

A

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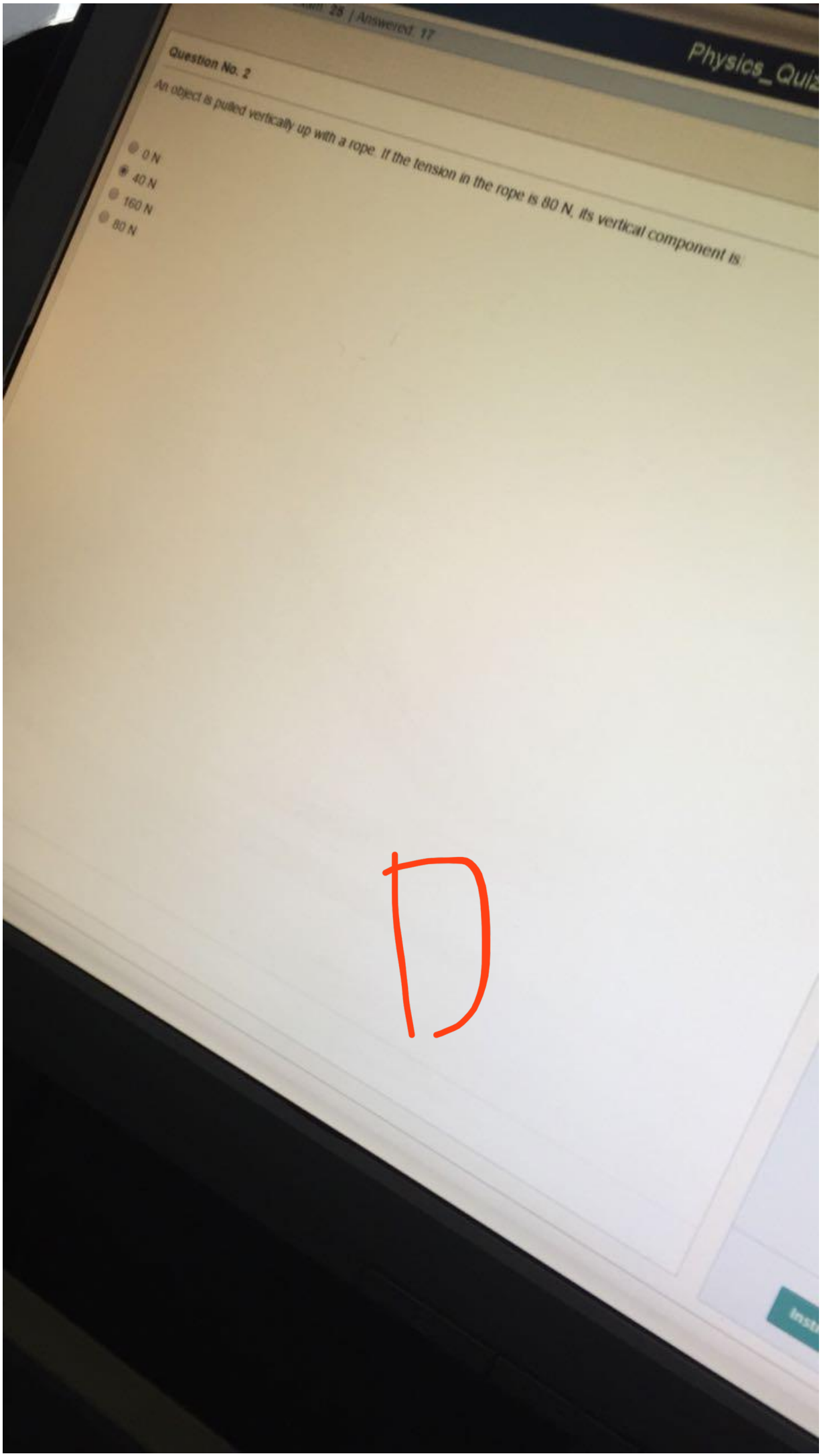

Physics_Quiz
Question No. 2
An object is pulled vertically up with a rope. If the tension in the rope is 80 N, its vertical component is:
0 N
40 N
160 N
80 N
D

Total questions in exam:

Question No. 23

The number of significant figures in (0.0034) is:

- 5
- 2
- 3
- 4

B

Question No. 16

The distance traveled by light in vacuum in 1/299792458 of a second is the standard of:

- kilogram
- meter
- second
- ampere

B

Question No. 17

The number of decimal places in (0.0100) is:

- 2
- 3
- 5
- 4

D

Total questions in exam: **25** | Answered: **5**

Question No. 14

Using a ruler with cm and mm divisions to measure a certain length, we get a value of 11.2 cm. Our measurement can then be w

- L = 11.2 cm ± 1%
- L = 11.2 cm ± 2%
- L = 11.2 cm ± 3%
- L = 11.2 cm ± 5%

A

MKCL OES
Online Evaluation System

Total questions in exam: **25** | Answered: **19**

Question No. 14

Which of the following is an SI unit?

- yard
- inch
- pound
- mole

D

MKCL OES

Total questions in exam: 25 | Answered: 19

Question No. 20

The dimensions of (mass/volume) is:

- kg/m^3
- ML^{-3}
- g/cm^3
- ML^3

B

MKCL OES

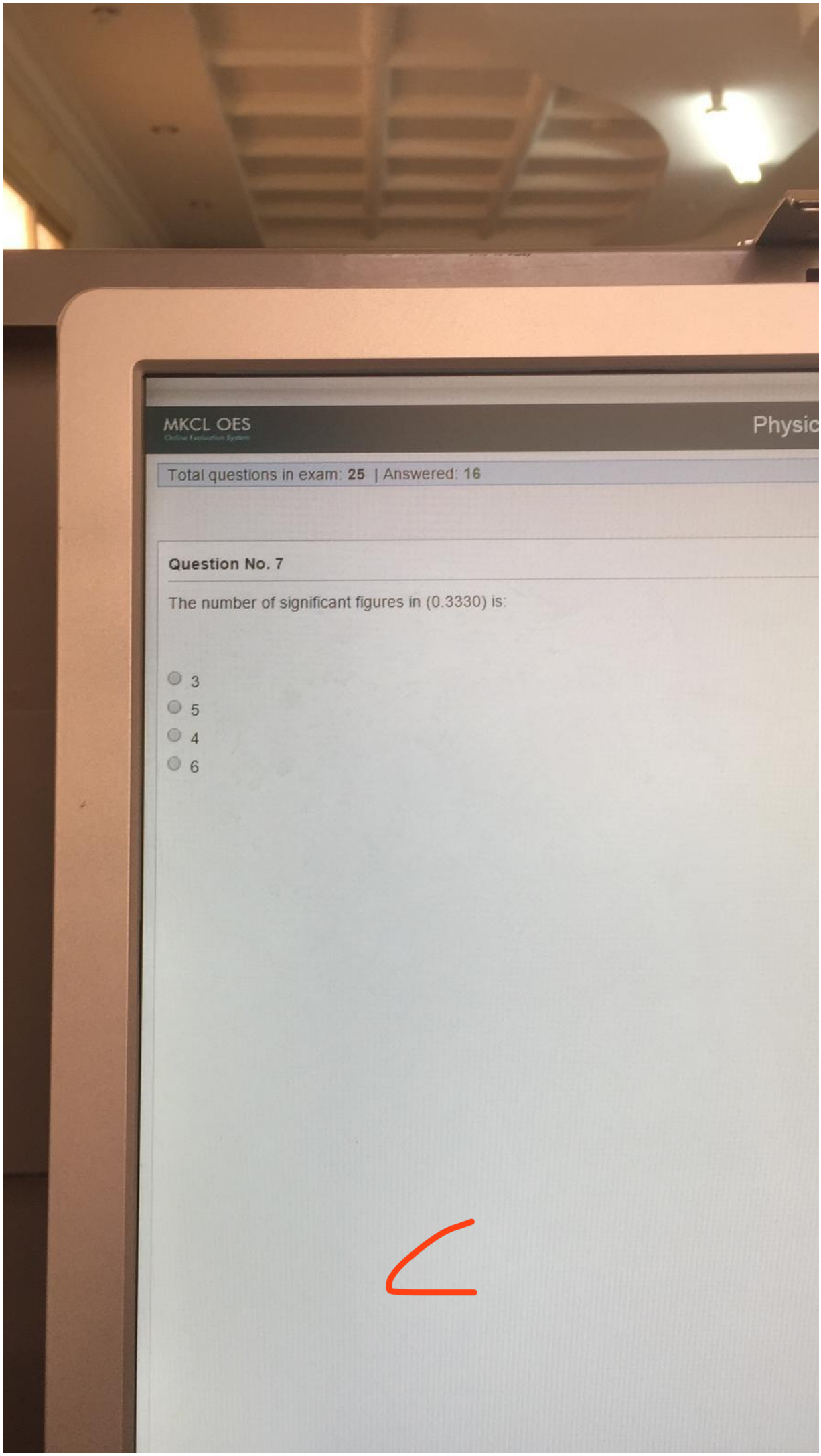
Total questions in exam: **25** | Answered: **19**

Question No. 16

The speed 20 nm/μs is equivalent to:

- 0.02 m/s
- 0.2 m/s
- 2 m/s
- 20 m/s

A


MKCL OES
Physic
Total questions in exam: 25 | Answered: 16
Question No. 7
The number of significant figures in (0.3330) is:
3
5
4
6

MKCL OES

Total questions in exam: 25 | Answered: 16

Question No. 11

Of the following SI units, the only derived unit is:

- newton
- ampere
- kelvin
- meter

A

MKCL OES

Physics_Quiz

Total questions in exam: **25** | Answered: 13

Question No. 3

The decimal form for 7.621×10^2 is:

- 7.621
- 762.1
- 76.21
- 0.7621

B

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MKCL OES

Physics_Quiz1_Sem1_2018

Total questions in exam: **25** | Answered: **15**

Question No. 4

An airplane of velocity (v1 = 80 km/h, north) faces a wind of velocity (v2 = 60 km/h, west). The resultant velocity of the plan

- (100 km/h, south of west)
- (100 km/h, north of west)
- (140 km/h, north of west)
- (140 km/h, south of west)

13

Save & Next حفظ والتالي

HP Compaq LE1711

MKCL OES

Physics_Quiz

Total questions in exam: **25** | Answered: **8**

Question No. 25

The frequency of radiation of cesium atoms is used to give the standard of:

- inch
- kilogram
- meter
- second

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MKCL OES

Physic

Total questions in exam: **25** | Answered: 7

Question No. 23

Two forces are: (F1 = 12 N, west) & (F2 = 9 N, north). Their resultant (R) is:

- (15 N, north of west)
- (15 N, south of west)
- (15 N, north of east)
- (15 N, south of east)

A

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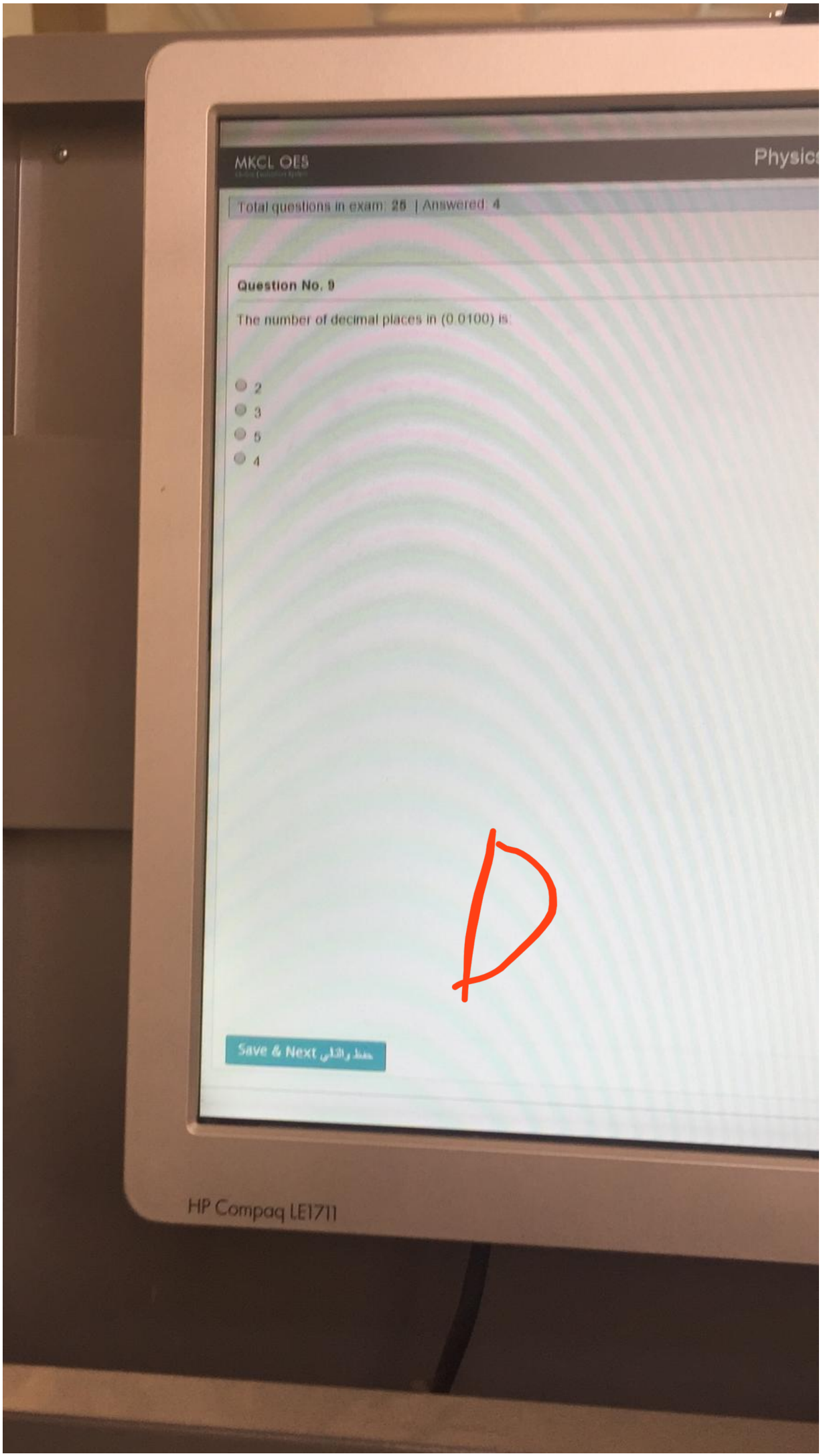
MKCL OES
Physic
Total questions in exam: 25 | Answered: 4
Question No. 9
The number of decimal places in (0.0100) is:
2
3
5
4
D
Save & Next
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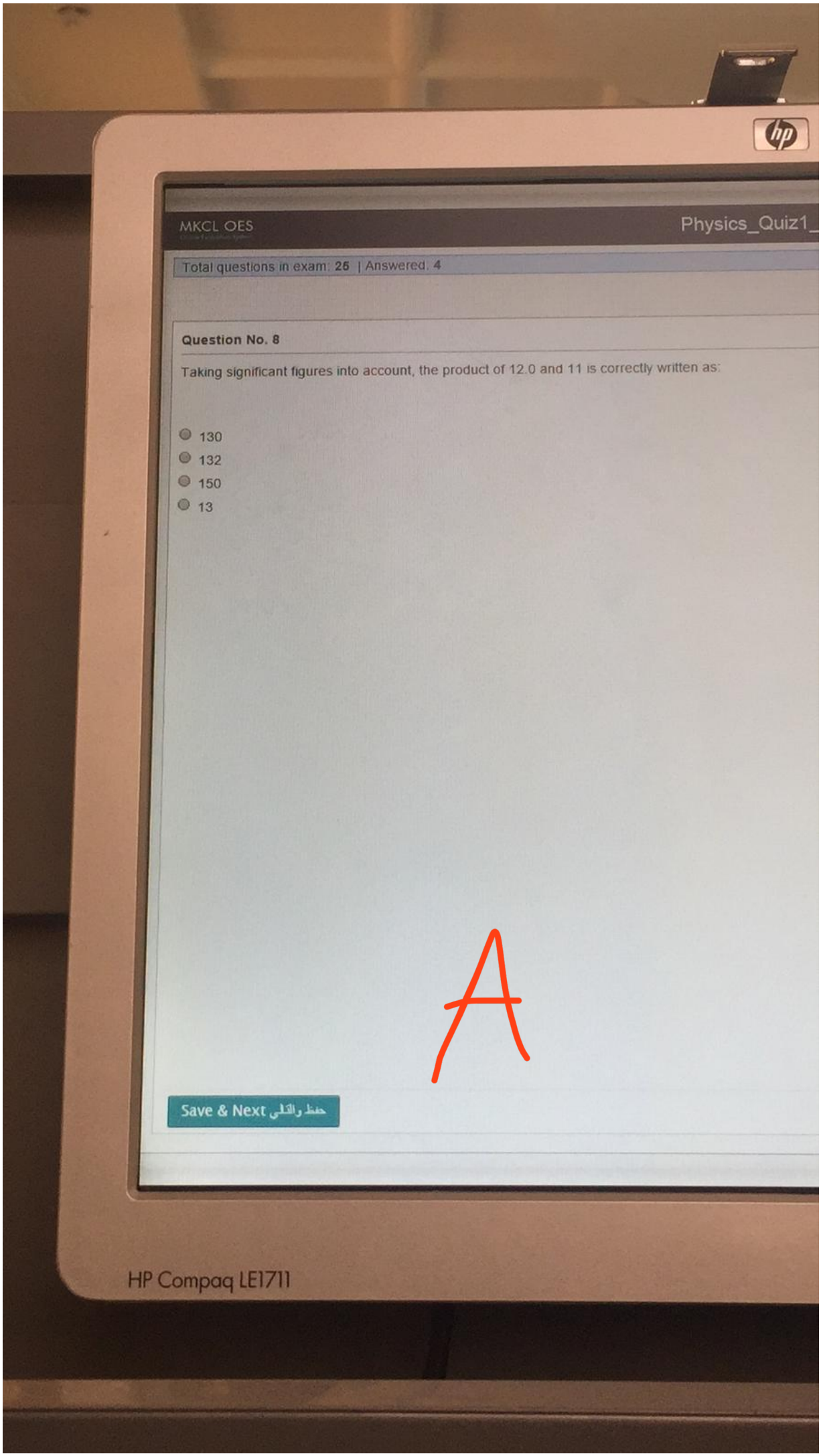

MKCL OES
Physics_Quiz1_
Total questions in exam: 25 | Answered: 4
Question No. 8
Taking significant figures into account, the product of 12.0 and 11 is correctly written as:
130
132
150
13
A
Save & Next حفظ والتالي
HP Compaq LE1711

MKCL OES

Total questions in exam: 25 | Answered: 25

Question No. 5

Significant figures are the digits in a number that are:

- (•) uncertain
- ( ) approximately known
- ( ) reliably known
- ( ) negative

MAGE OES

Physics_Quiz1_Sem1_2018

Total questions in exam: 25 | Answered: 16

Question No. 2

The number 3.7×10^{-1} is equivalent to:

- 3.7
- 0.37
- 37
- 0.037

B

Save & Next حفظ والتالي

MKCL OES

Total questions in exam: 25 | Answered: 15

Physics_Quiz1_Sem1_201

Question No. 16

A length of 567.8 mm is equal to

- 0.5678 m
- 5.678 m
- 56.78 m
- 0.05678 m

& Next

A

MKCL OES

Physics_Quiz1_Sem1_

Total questions in exam: 25 | Answered: 25

Question No. 19

A Lamborghini car has an acceleration of 33.103 (km/h)/s. This equals:

- 9.2 m/s/s
- 33 m/s/s
- 91 m/s/s
- 2.9 m/s/s

A

Save & Next

Total questions in exam: 25 | Answered: 9

Question No. 2

Using a ruler with cm and mm divisions to measure a certain length, we get a value of 15.2 cm. Our measurement can then be wri

- L = 15.2 ± 1.0 cm
- L = 15.2 ± 0.01 cm
- L = 15.2 ± 0.2 cm
- L = 15.2 ± 0.1 cm

D

Save & Next حفظ والتالي

Phy_Chap2_ForceWeight

Phy_Chap2_Free_Fall Q01 Q02 Q03

Phy_Chap2_Linear Mot_Vel_Acc Q01 Q02 Q03 Q04

Phy_Chap2_Vector Q01 Q02 Q03 Q04 Q05 Q06

Phy_Chap2_Inertia_ Q01 Q02

INSTRUCTION: تعليمات Please choose the BEST answer from the given options for each question.

Question:

An object is moving in straight line and decreases its speed uniformly from 40 m/s to 10 m/s within 10 seconds. Its deceleration is:

Options:

- -3 m/s/s
- -0.5 m/s/s
- -2 m/s/s
- -1 m/s/s

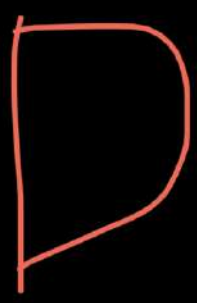
تسليم الإجابة Submit Answer

إنهاء الاختبار End Test

Question No. 3

A car is moving with 100 km/h for 30 min and then took a rest for 30 min. The car then continues
100 km/h for two hours. The average speed for this journey is approximately:

- 75 km/h
- 100 km/h
- 110 km/h
- 83.3 km/h



Question No. 5

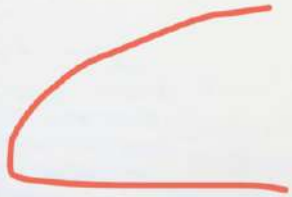
A car is moving with 120 km/h for 20 min and then took a rest for 20 min. The car then continues with 90 km/h for 20 min. The average speed for this journey is approximately:

- 70 km/h
- 120 km/h
- 105 km/h
- 90 km/h

Question No. 5

A car is moving with 110 km/h for two hours and then took a rest for 30 min. The car then continues with 120 km/h for an hour. The average speed for this journey is approximately:

- 85 km/h
- 110 km/h
- 97 km/h
- 75 km/h



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Physics_Quiz2_Sem1_2018

Total questions in exam: **25** | Answered: **5**

Question No. 12

A car is moving with 65 km/h for 1 hour and then took a rest for 30 min. The car then continues with 130 km/h for 30 min. The a
journey is approximately:

- 110 km/h
- 65 km/h
- 85 km/h
- 120 km/h

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