تجميعات الفيزياء فاينل

2020_1441

Always remember To fall a sleep with a dream and wake up with a purpose .

دعواتكم :عفاف الجهني

MKCL OES

Physics_FT_Sem1_2019

Total questions in exam: **40** | Answered: **0**

Question No. 3

Condensation is the change of phase from

- liquid to solid
- solid to liquid
- gas to liquid
- liquid to gas

Save & Next

MKCL OES

Physics_FT_Sem1_2019

Total questions in exam: **40** | Answered: **0**

A⁻ A

Question No. 2

Three identical lamps, each of resistance 4 Ω, are connected in series to a 6-V battery. The potential difference across each lamp is:

- 4 V
- 2 V
- 6 V
- 12 V

Save & Next

MKCL OES
Online Evaluation System

Physics_FT_Sem1_2019

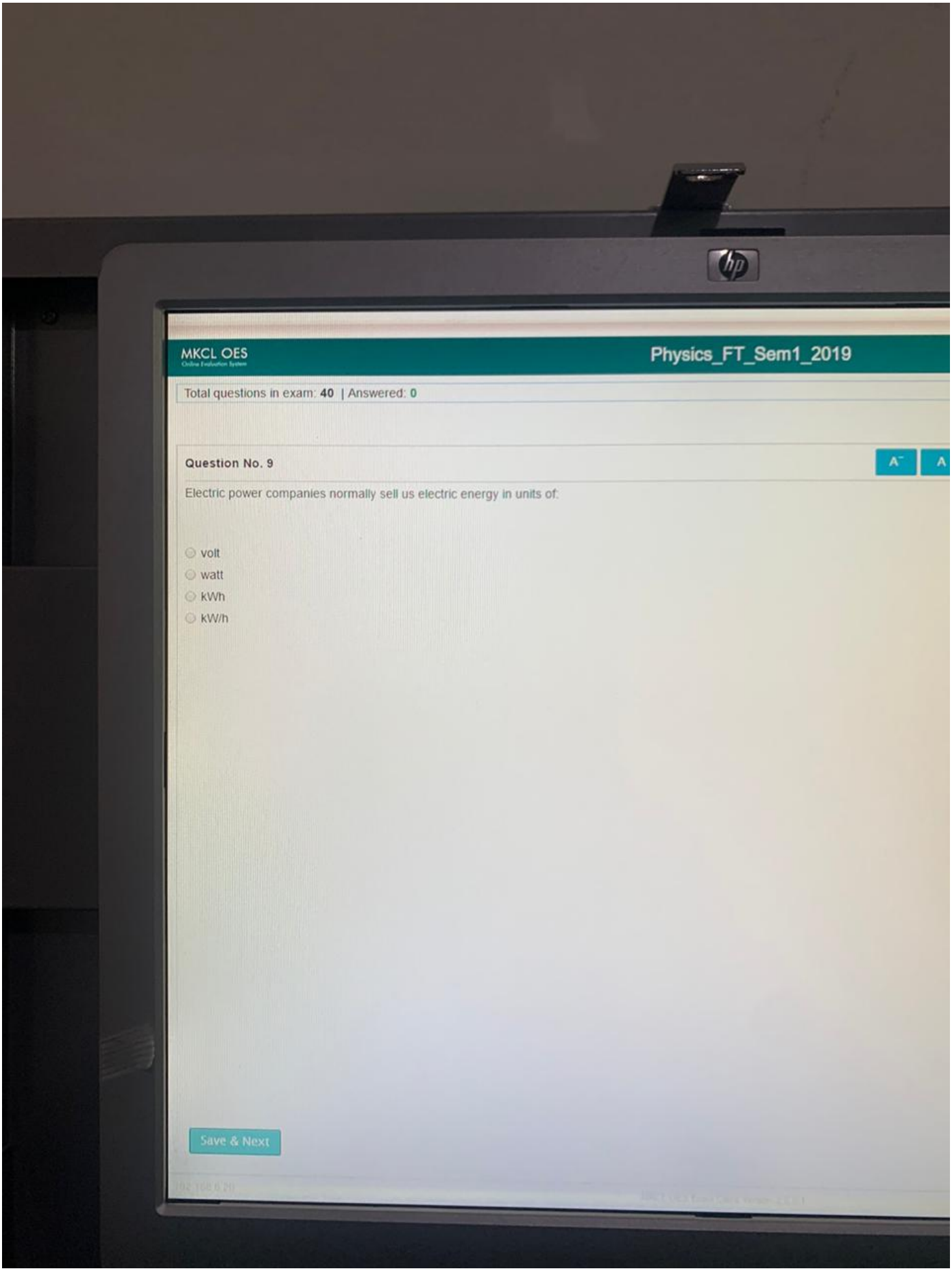
Total questions in exam: **40** | Answered: **0**

Question No. 5

The repulsive force between two identical 1-mC charges separated by 300 m is:

- 1 N
- 10 N
- 0.1 N
- 100 N

Save & Next


MKCL OES
Online Evaluation System
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 0
Question No. 9
A⁻
A
Electric power companies normally sell us electric energy in units of:
volt
watt
kWh
kW/h
Save & Next

MKCL OES

Physics_FT_Sem1_2019

Total questions in exam: **40** | Answered: **0**

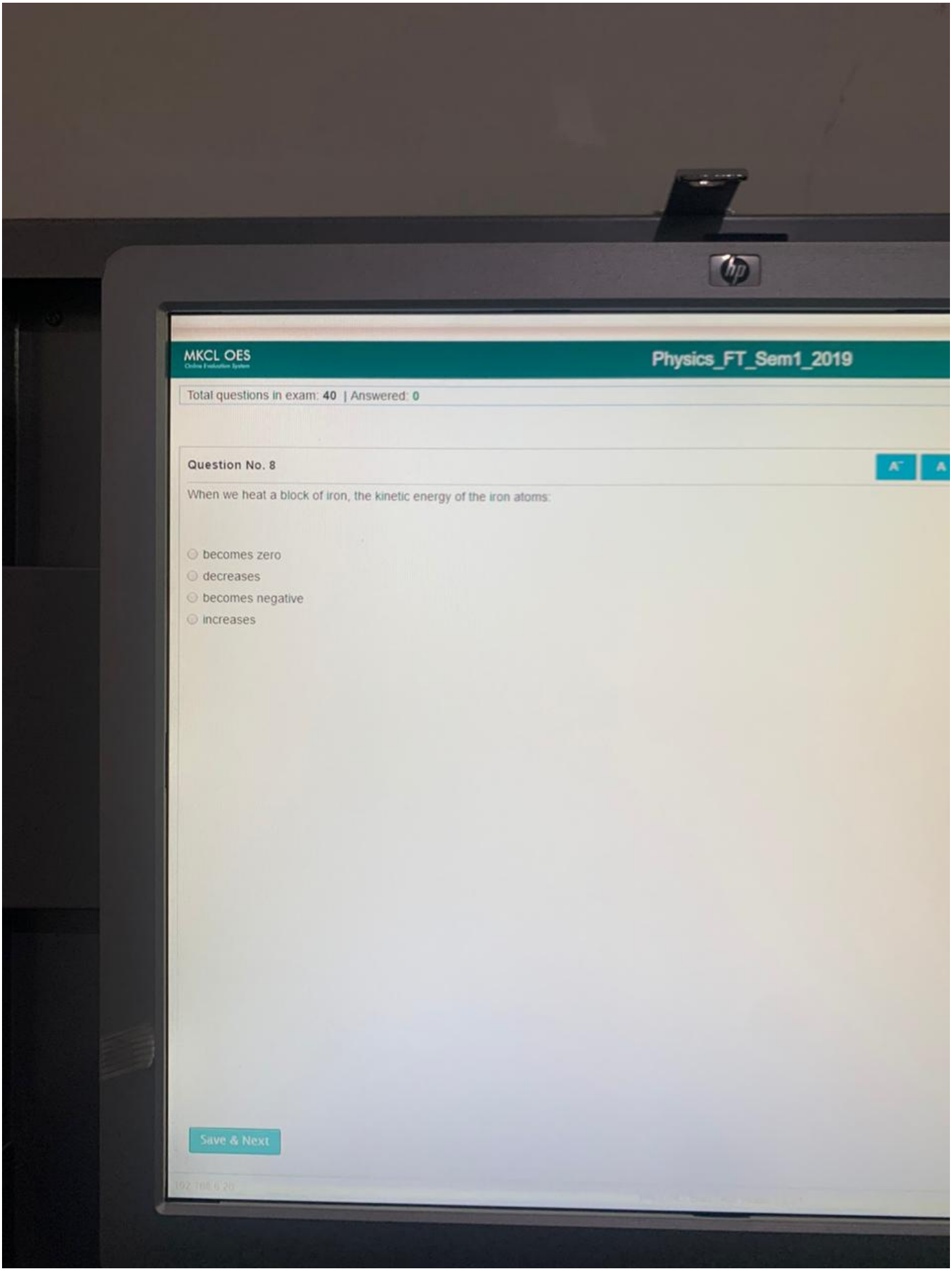
Question No. 6

An isotope has a half-life of 15 years. If the initial amount of radioactivity is 1.0 unit, the amount of that isotope remaining at the
be

- 0.5
- 0.25
- 1.0
- 0.0

Save & Next

HP Compaq LE1711


MKCL OES
Online Evaluation System
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 0
Question No. 8
A-
A
When we heat a block of iron, the kinetic energy of the iron atoms:
becomes zero
decreases
becomes negative
increases
Save & Next

MKCL OES
Online Evaluation System

Physics_FT_Sem1_2019

Total questions in exam: **40** | Answered: **0**

Question No. 2

A⁻ A A

The half-life of Cs-137 isotope is 30 years. If the initial amount of this isotope is 50 units, the remaining radioactive amount of this isotope at the end of 30 years will be

- 50
- 12.5
- zero
- 25

MKCL OES

Physics_FT_Sem1_2019

Total questions in exam: **40** | Answered: **1**

Question No. 3

A⁻ A A⁺

An object is placed 30 cm from a convex mirror and its image is formed 15 cm from the mirror. The mirror's focal length is:

- -20 cm
- -15 cm
- -10 cm
- -30 cm

أرسل دردشة

MKCL OES

Physics_FT_Sem1_2019

Total questions in exam: **40** | Answered: **1**

Question No. 2

A⁻ A A⁺

An electric circuit consists of a lamp connected across the terminals of a 9-V battery. If the electric current in this circuit is 3 mA, the resistance of the lamp is:

- 30 kΩ
- 3 kΩ
- 30 Ω
- 3 Ω

User

Numbe of n

Numbe of q

1 Answered

32 Not Visite

1 2

8

15 16

22 23

29 30

36 37

أرسل دردشة

MKCL OES
Online Evaluation System

Physics_FT_

Total questions in exam: 40 | Answered: 1

Question No. 6

Heat is defined as:

- pressure
- power
- energy
- density

أرسل دردشة

MKCL OES
Online Evaluation System

Physics_FT_Sem1

Total questions in exam: **40** | Answered: **1**

Question No. 4

The change of phase from solid to liquid is:

- vaporization
- solidification
- melting
- condensation

أرسل دردشة

Total questions in exam: **40** | Answered: **1**

Question No. 11

A temperature of 50 °F equals:

- 283 K
- 10 K
- 323 K
- 223 K

أرسل دردشة

MKCL OES
Online Evaluation System

Physics_FT_Sem1_2019

Total questions in exam: **40** | Answered: **1**

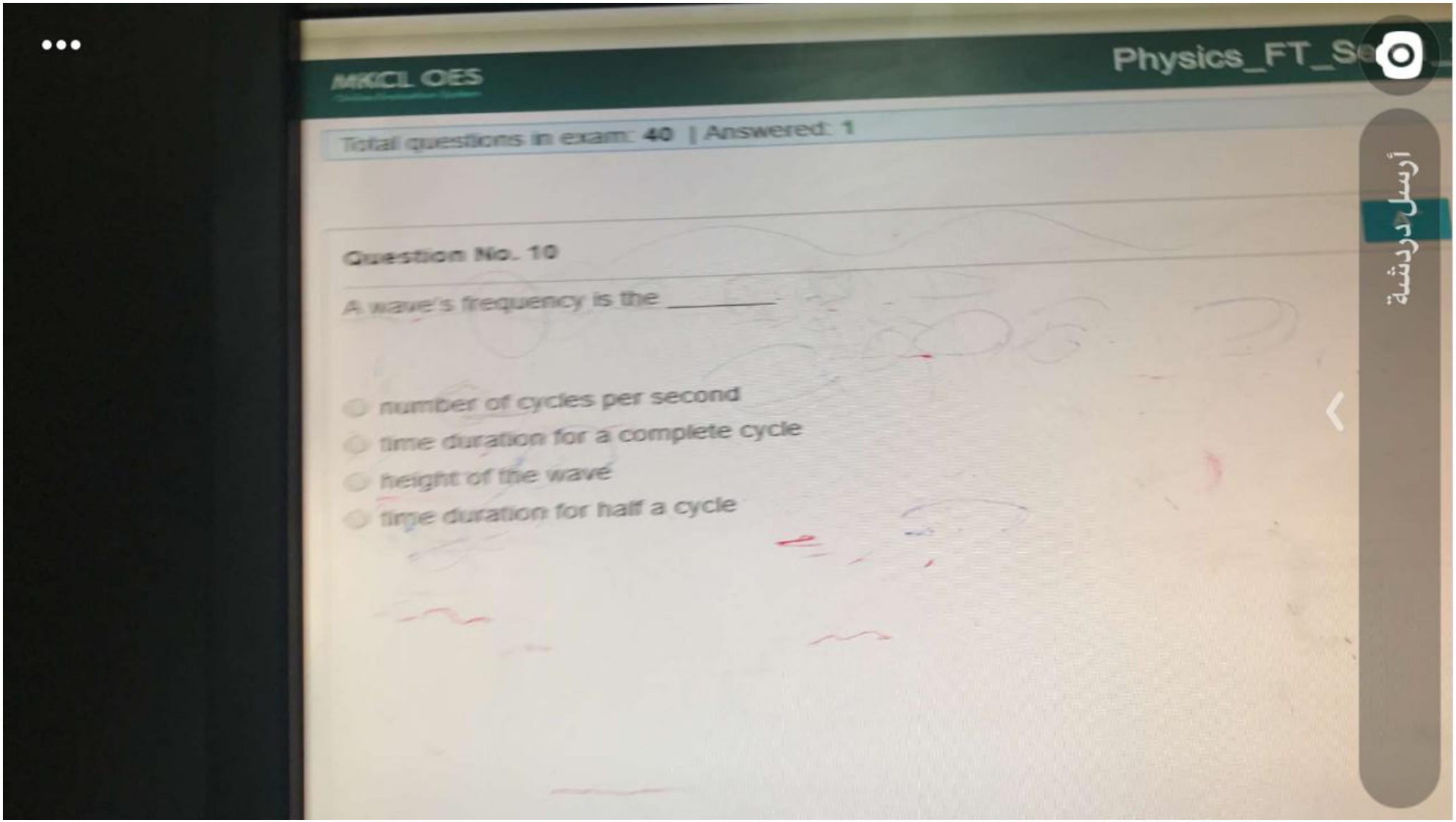
Question No. 9

A⁻ A A⁺

If a support column is compressed $\Delta l = 0.446$ mm under a weight 642 kN, its elastic constant k is :

- 1.44 GN/mm
- 1.44 kN/mm
- 1.44 MN/mm
- 1.44 N/mm

أرسل دردشة


MKCL OES
Physics_FT_Se
Total questions in exam: 40 | Answered: 1
Question No. 10
A wave's frequency is the _____
number of cycles per second
time duration for a complete cycle
height of the wave
time duration for half a cycle
أرسل دردشة

MKCL OES
Online Evaluation System

Physics_FT_Sem1_2019

Total questions in exam: **40** | Answered: **1**

أرسل دردشة

Question No. 7

A⁻ A A⁺

Three identical lamps, each of resistance 9 Ω, are connected in parallel to a 9-V battery. The current passing through each lamp is:

- 1/3 A
- 2/3 A
- 1 A
- 3 A

Total questions in exam: **40** | Answered: **1**

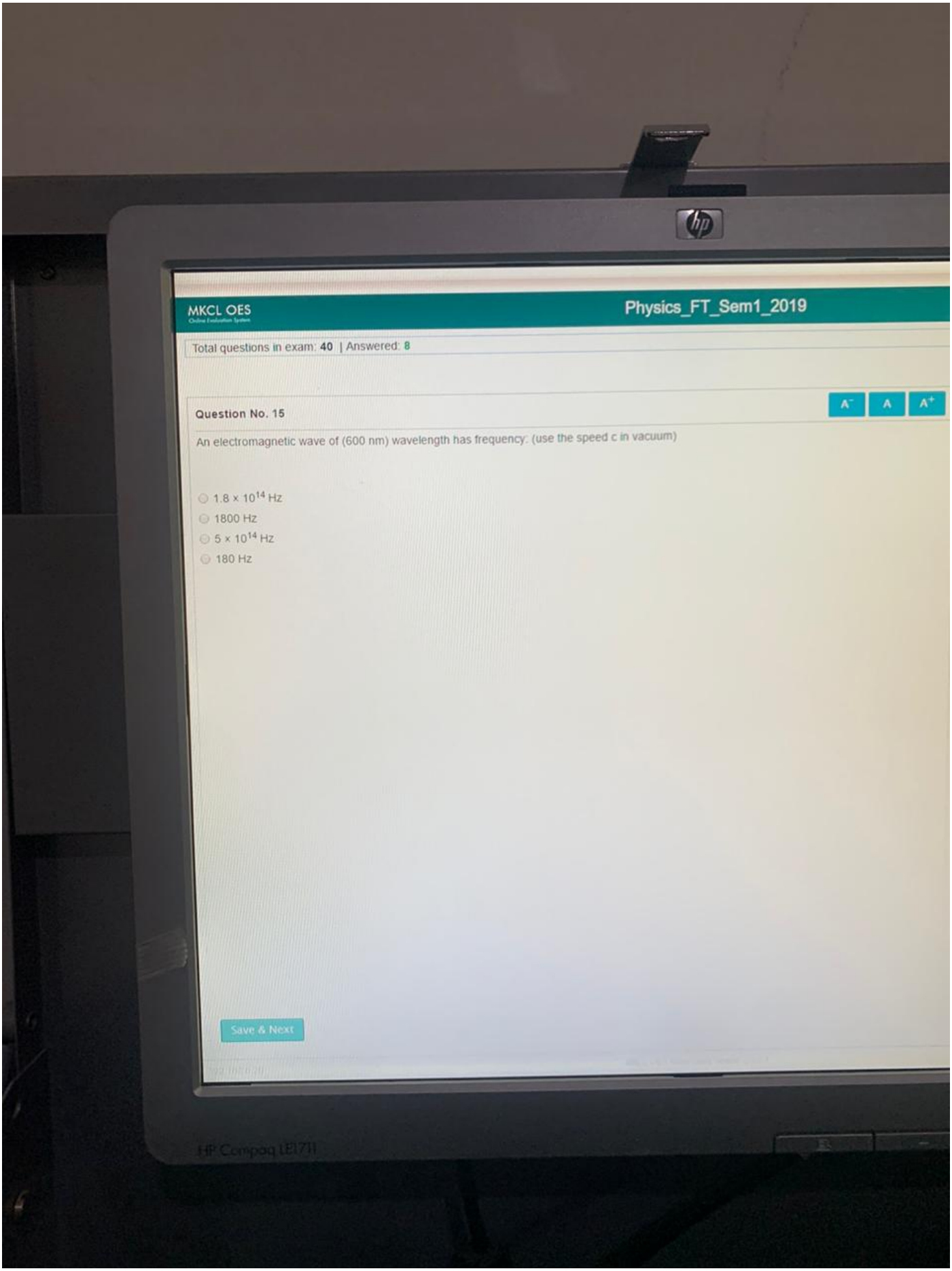
Question No. 5

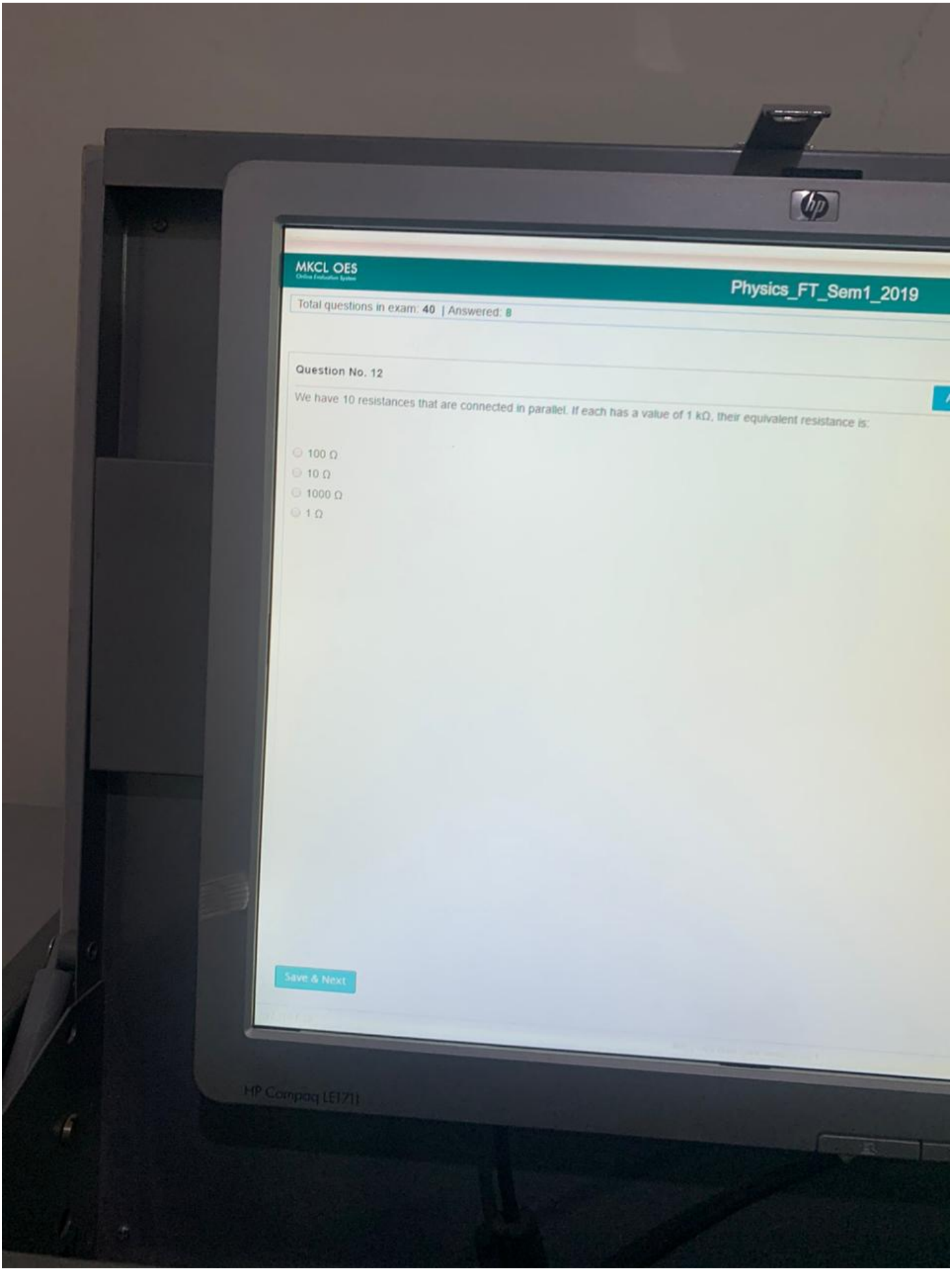
If a lamp in a 110-V electric circuit draws 1.5 amperes, its power rating is:

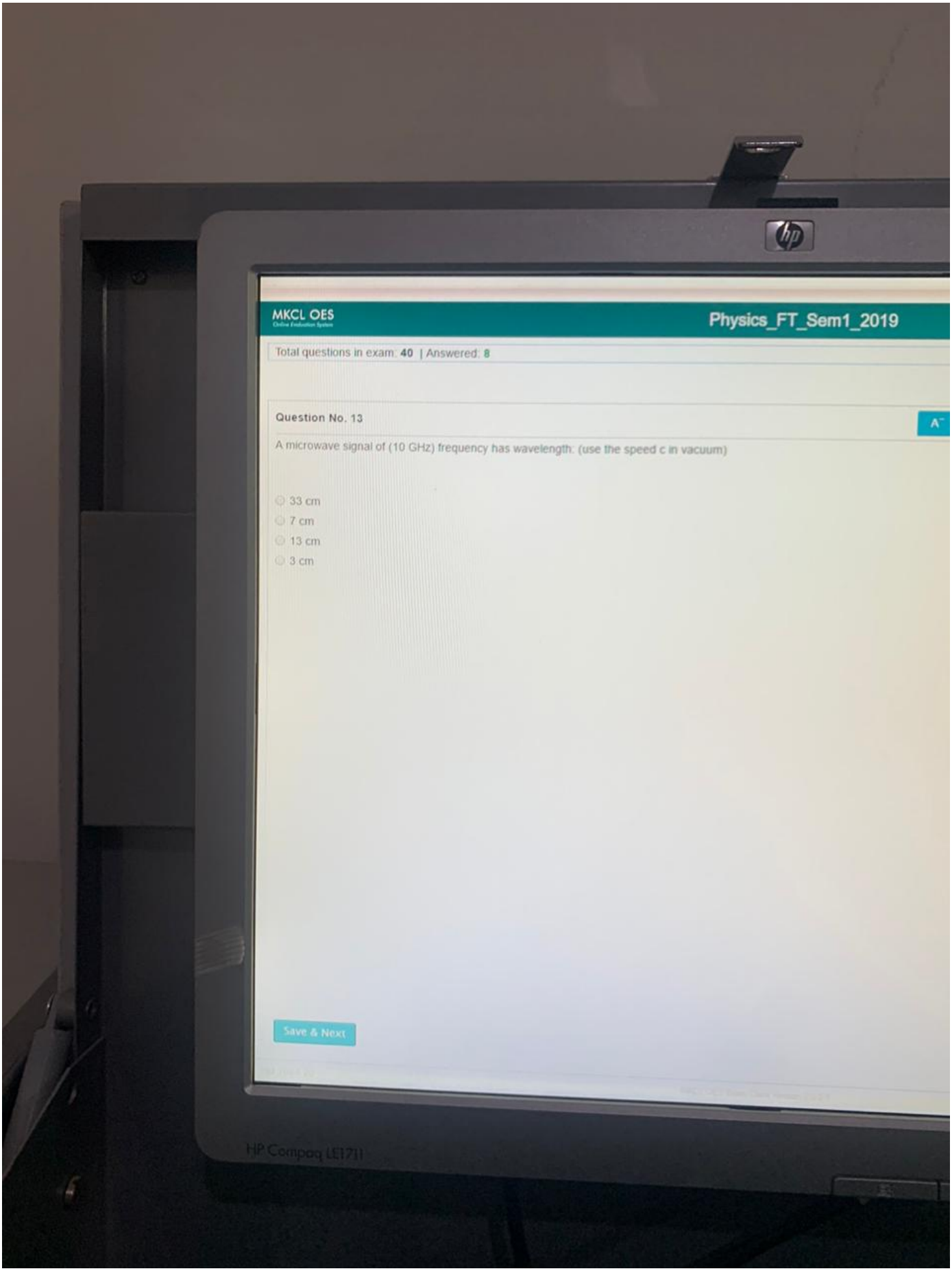
- 165 W
- 220 W
- 110 W
- 75 W

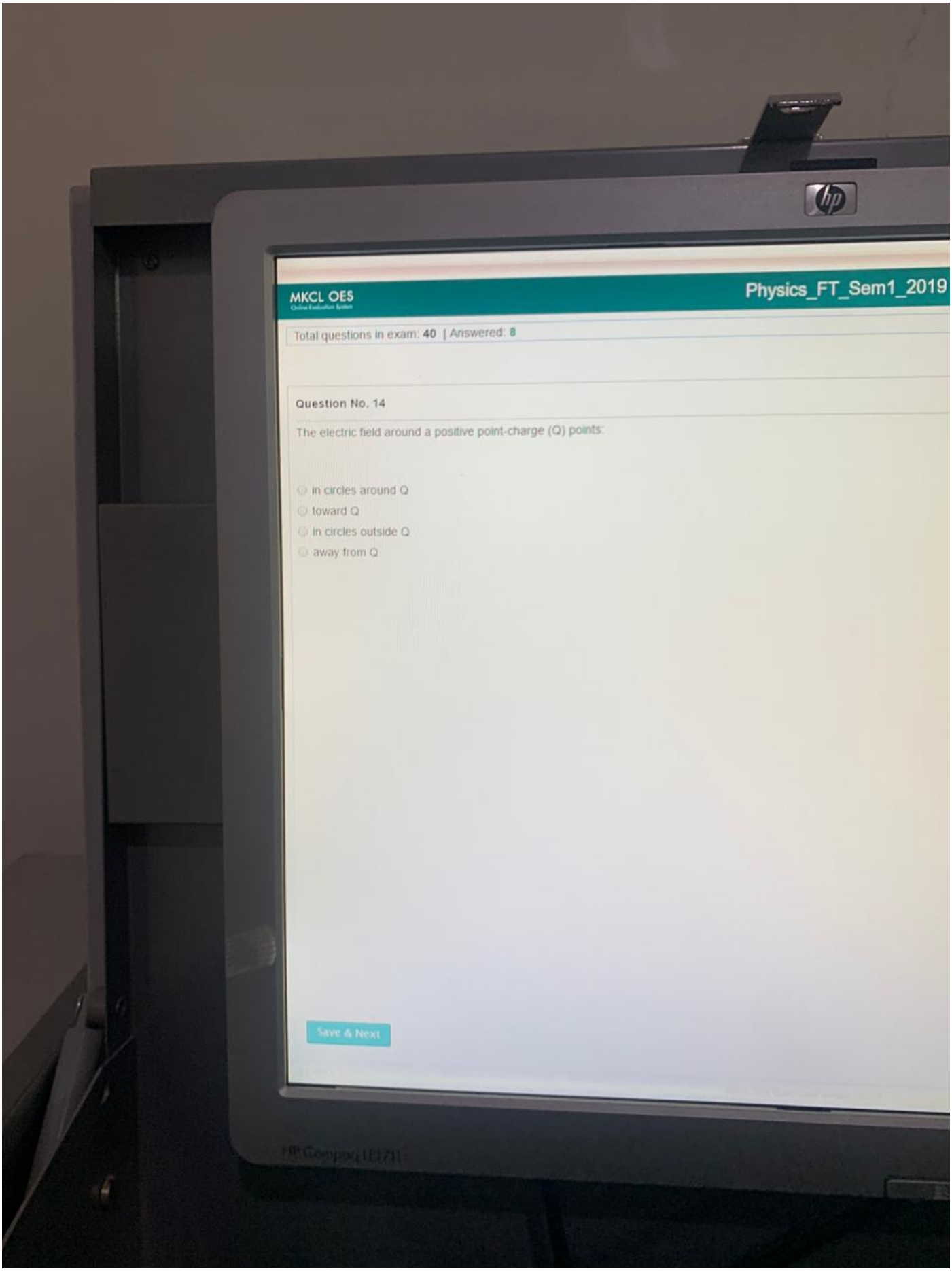
A⁻ A

أرسل دردشة


MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 8
Question No. 15
A- A A+
An electromagnetic wave of (600 nm) wavelength has frequency: (use the speed c in vacuum)
1.8 × 10^14 Hz
1800 Hz
5 × 10^14 Hz
180 Hz
Save & Next


MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 8
Question No. 12
We have 10 resistances that are connected in parallel. If each has a value of 1 kΩ, their equivalent resistance is:
100 Ω
10 Ω
1000 Ω
1 Ω
Save & Next
HP Compaq LE1711


MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 8
Question No. 13
A microwave signal of (10 GHz) frequency has wavelength: (use the speed c in vacuum)
33 cm
7 cm
13 cm
3 cm
Save & Next
HP Compaq LE1711


MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 8
Question No. 14
The electric field around a positive point-charge (Q) points:
in circles around Q
toward Q
in circles outside Q
away from Q
Save & Next

MKCL OES

Physics_FT_Sem1_2019

Total questions in exam: **40** | Answered: **0**

A⁻ A

Question No. 2

Three identical lamps, each of resistance 4 Ω, are connected in series to a 6-V battery. The potential difference across each lamp is:

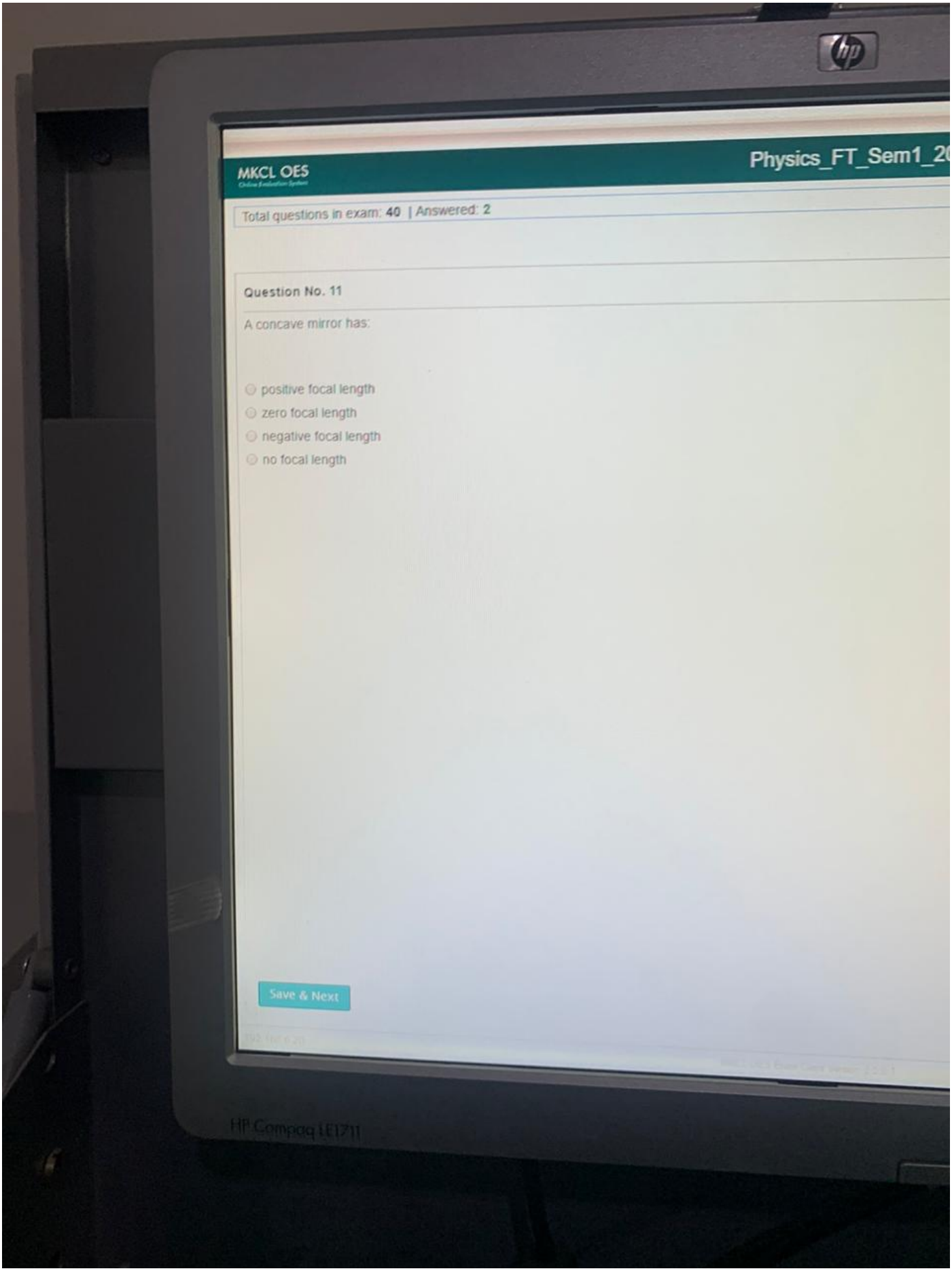
- 4 V
- 2 V
- 6 V
- 12 V

Save & Next

Question No. 7

If a 5-cm tall object is located 10 cm from a convex mirror and its virtual image is located - 5 cm behind the mirror, the height of the image will be:

- 10 cm
- 1.5 cm
- 2.5 cm
- 7.5 cm


MKCL OES
Physics_FT_Sem1_2
Total questions in exam: 40 | Answered: 2
Question No. 11
A concave mirror has:
positive focal length
zero focal length
negative focal length
no focal length
Save & Next
HP Compaq LE1711

MKCL OES
Online Evaluation System

Physics_FT_Sem1_2019

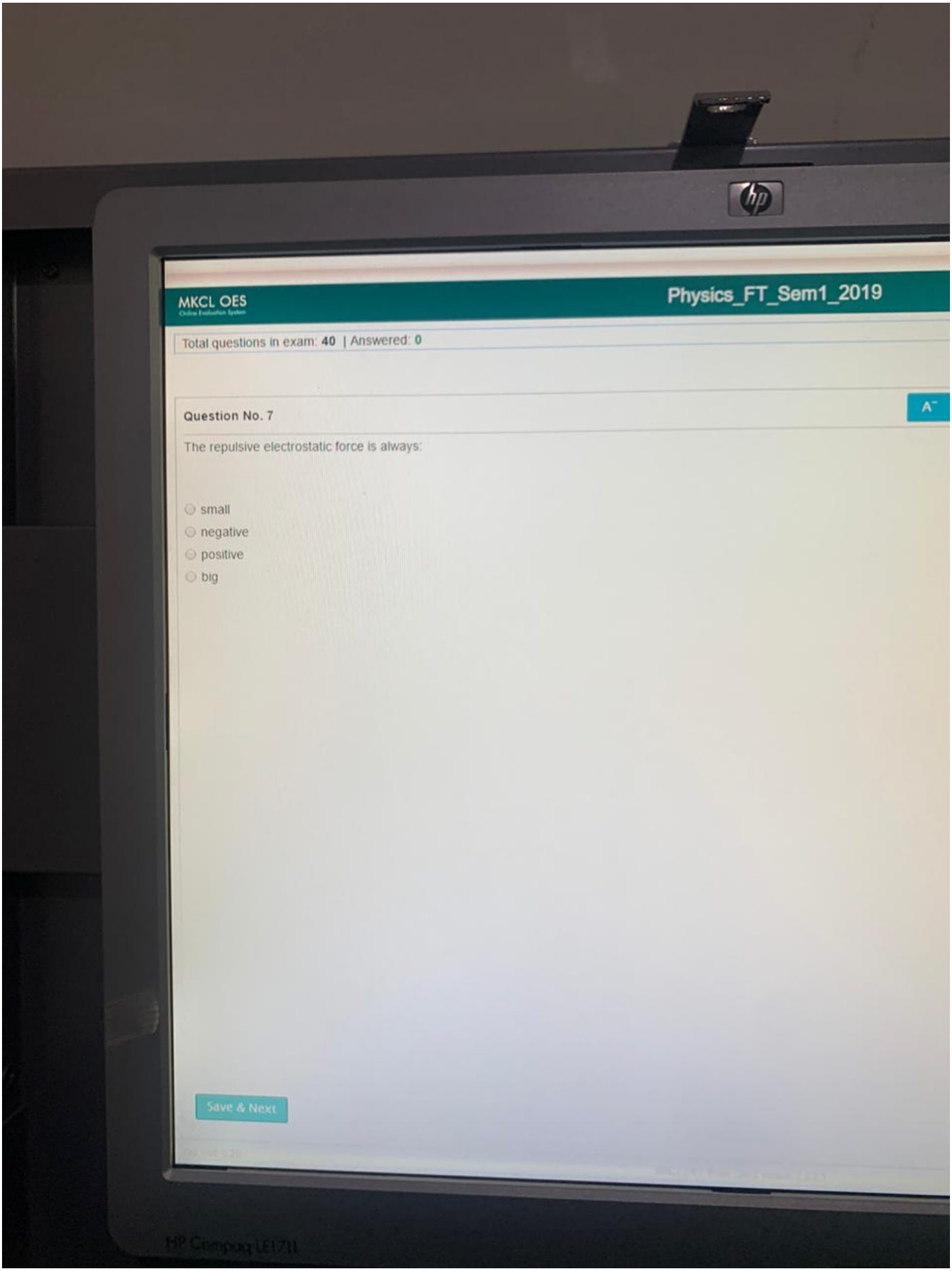
Total questions in exam: **40** | Answered: **0**

Question No. 5

The repulsive force between two identical 1-mC charges separated by 300 m is:

- 1 N
- 10 N
- 0.1 N
- 100 N

Save & Next


MKCL OES
Online Evaluation System
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 0
Question No. 7
A⁻
The repulsive electrostatic force is always:
small
negative
positive
big
Save & Next

MKCL OES

Physics_FT_Sem1_2019

Total questions in exam: **40** | Answered: **0**

Question No. 6

An isotope has a half-life of 15 years. If the initial amount of radioactivity is 1.0 unit, the amount of that isotope remaining at the be

- 0.5
- 0.25
- 1.0
- 0.0

Save & Next

HP Compaq LE1711

MKCL OES

Physics_FT_Sem1_2019

Total questions in exam: **40** | Answered: **1**

Question No. 9

A⁻ A

If a support column is compressed $\Delta l = 0.446$ mm under a weight 642 kN, its elastic constant k is :

- 1.44 GN/mm
- 1.44 kN/mm
- 1.44 MN/mm
- 1.44 N/mm

MKCL OES
Online Evaluation System

Physics_FT_Sem1_2019

Total questions in exam: **40** | Answered: **0**

A⁻ A A

Question No. 4

For resistances that are connected in series, the equivalent resistance is:

- equal the smallest resistance
- less than the smallest resistance
- equal the biggest resistance
- bigger than the biggest resistance

MKCL OES

Physics_FT_Sem1_2019

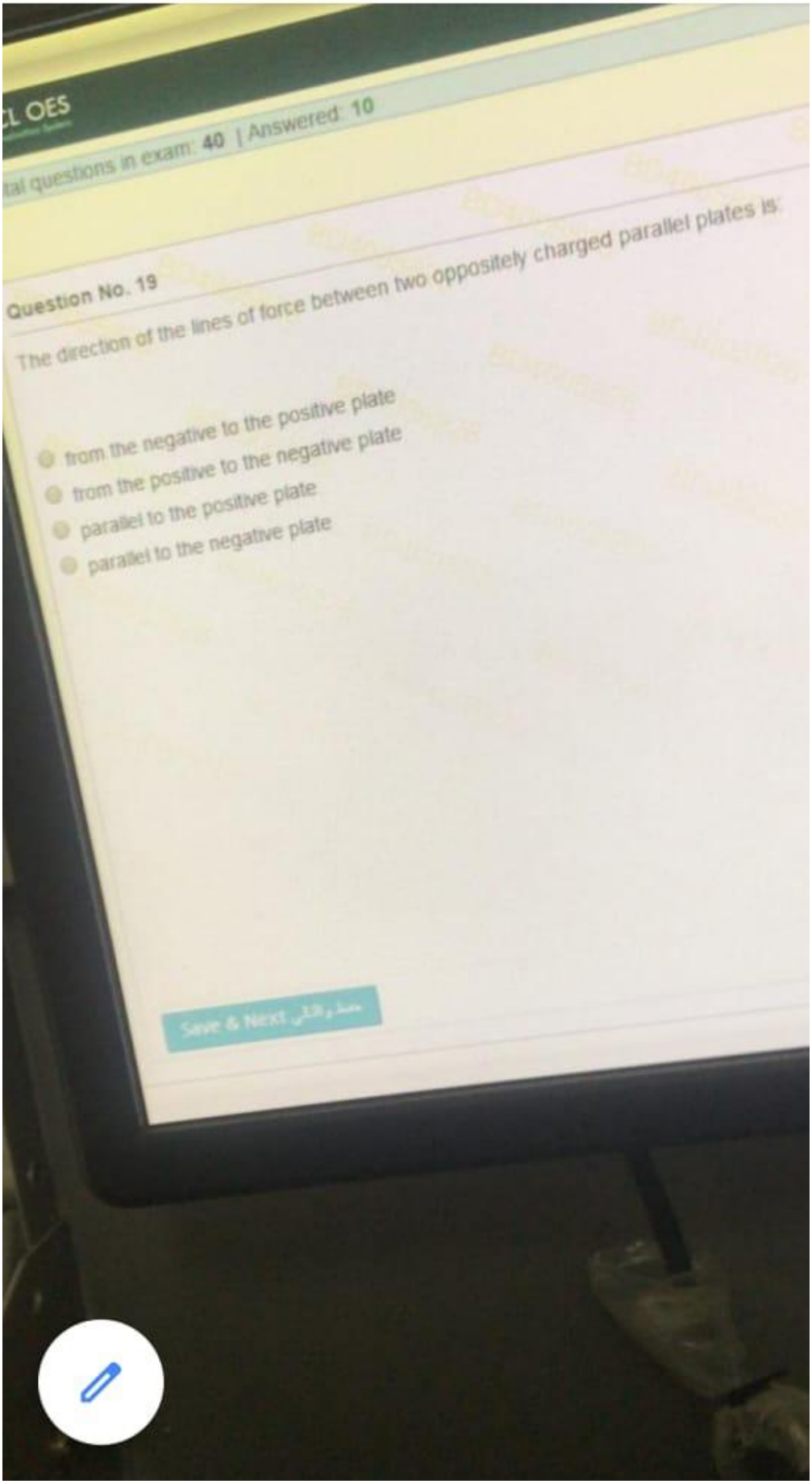
Total questions in exam: **40** | Answered: **0**

Question No. 3

Condensation is the change of phase from

- liquid to solid
- solid to liquid
- gas to liquid
- liquid to gas

Save & Next


L OES
tal questions in exam: 40 | Answered: 10
Question No. 19
The direction of the lines of force between two oppositely charged parallel plates is:
from the negative to the positive plate
from the positive to the negative plate
parallel to the positive plate
parallel to the negative plate
Save & Next

MKCL OES
Online Evaluation System

Phys

Total questions in exam: **40** | Answered: **0**

Question No. 1

Of these, the most harmful radiation to people is:

- 2 rad alpha + 1 rad beta
- 2 rad alpha + 2 rad beta
- 1 rad alpha + 10 rad beta
- 3 rad alpha + 5 beta

Save & Next

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Question No. 21

During change of phase of a substance, its temperature

- decreases
- remains constant
- increases
- changes up and down

Save & Next حفظ والتالي

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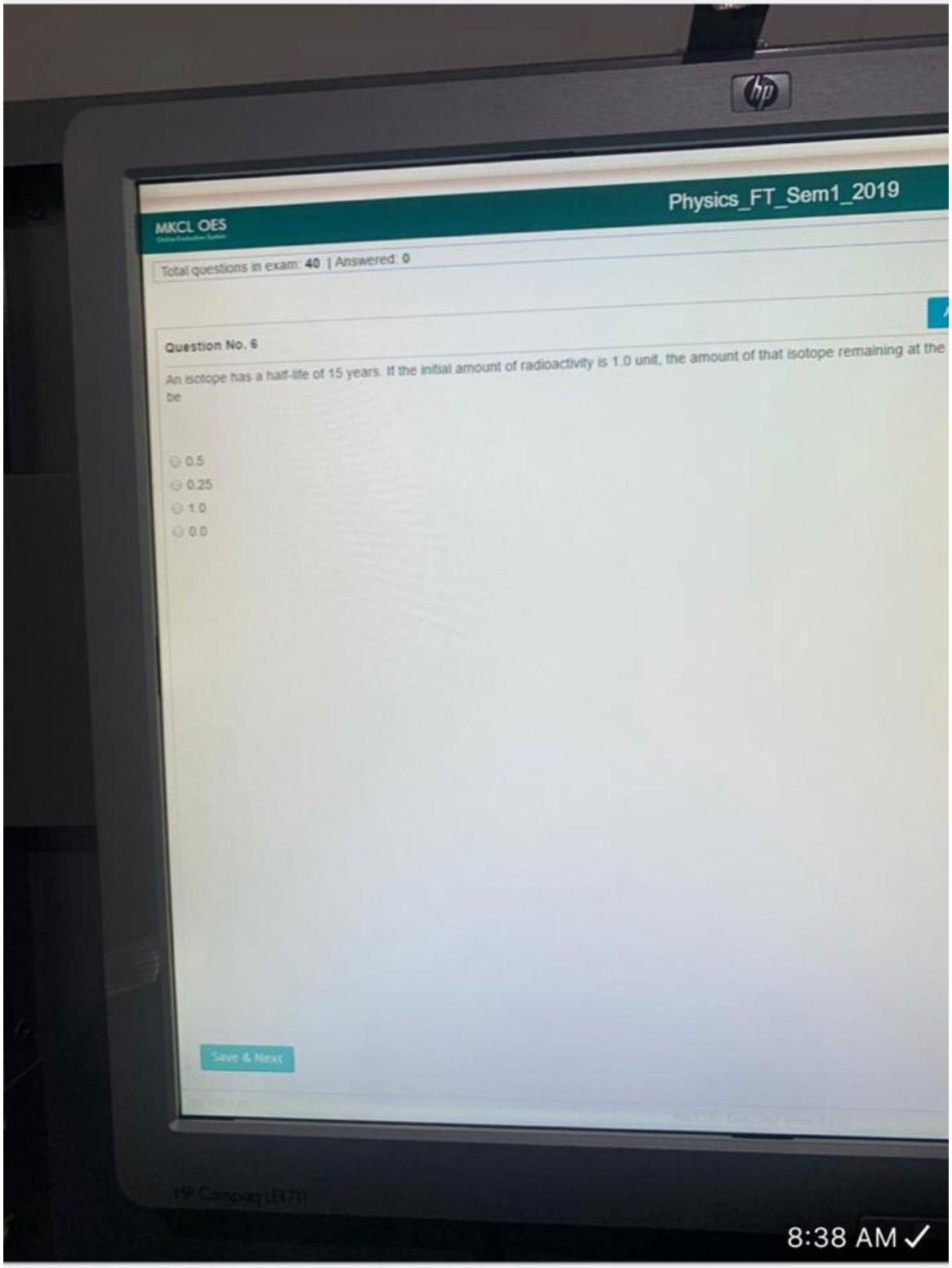
Question No. 45 [redacted]

8:38 AM ✓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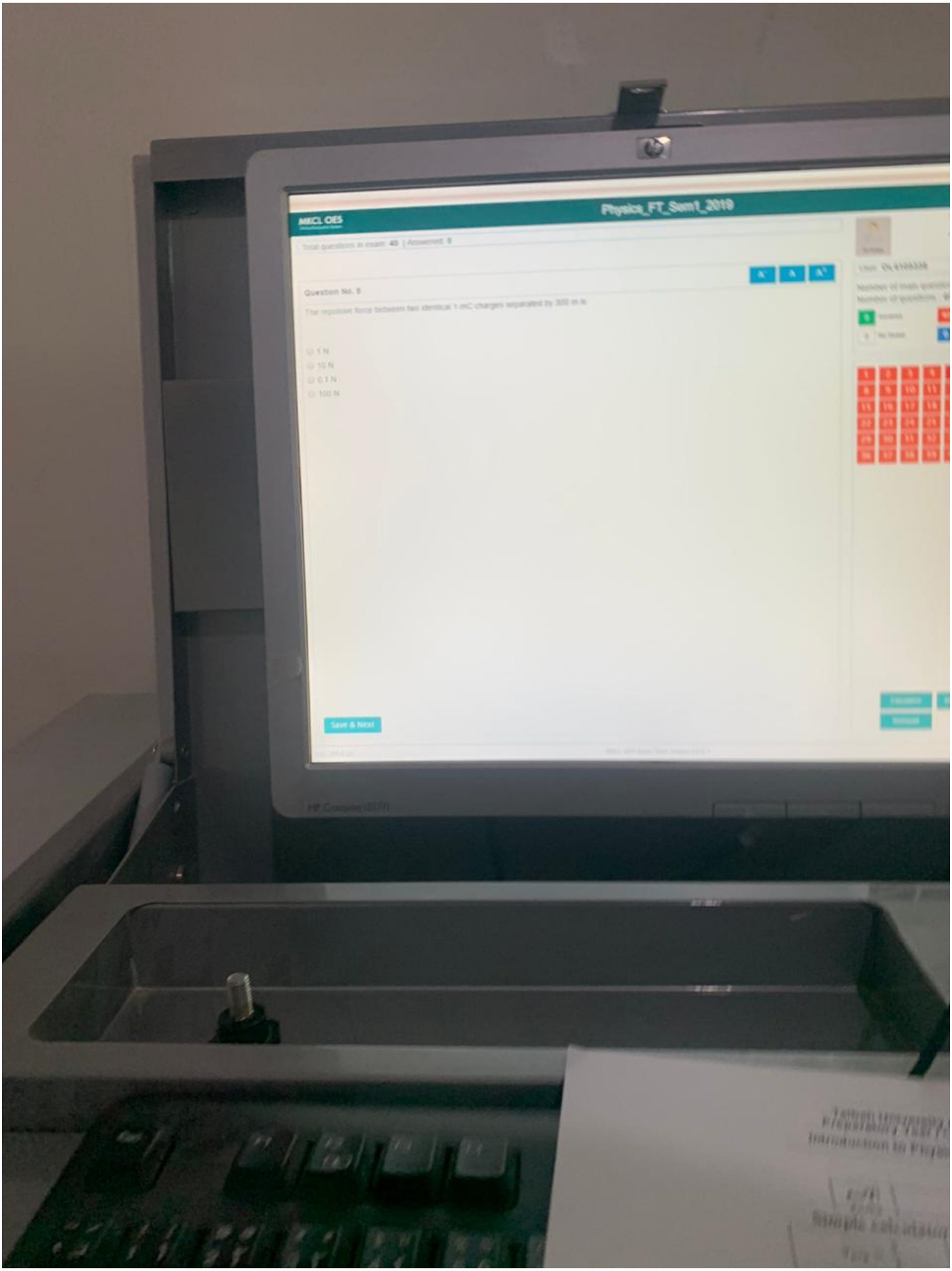
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 0
Question No. 6
An isotope has a half-life of 15 years. If the initial amount of radioactivity is 1.0 unit, the amount of that isotope remaining at the
be
0.5
0.25
1.0
0.0
Save & Next

8:38 AM ✓


MECL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 0
Question No. 1
The repulsive force between two identical 1-mC charges separated by 300 m is
1 N
10 N
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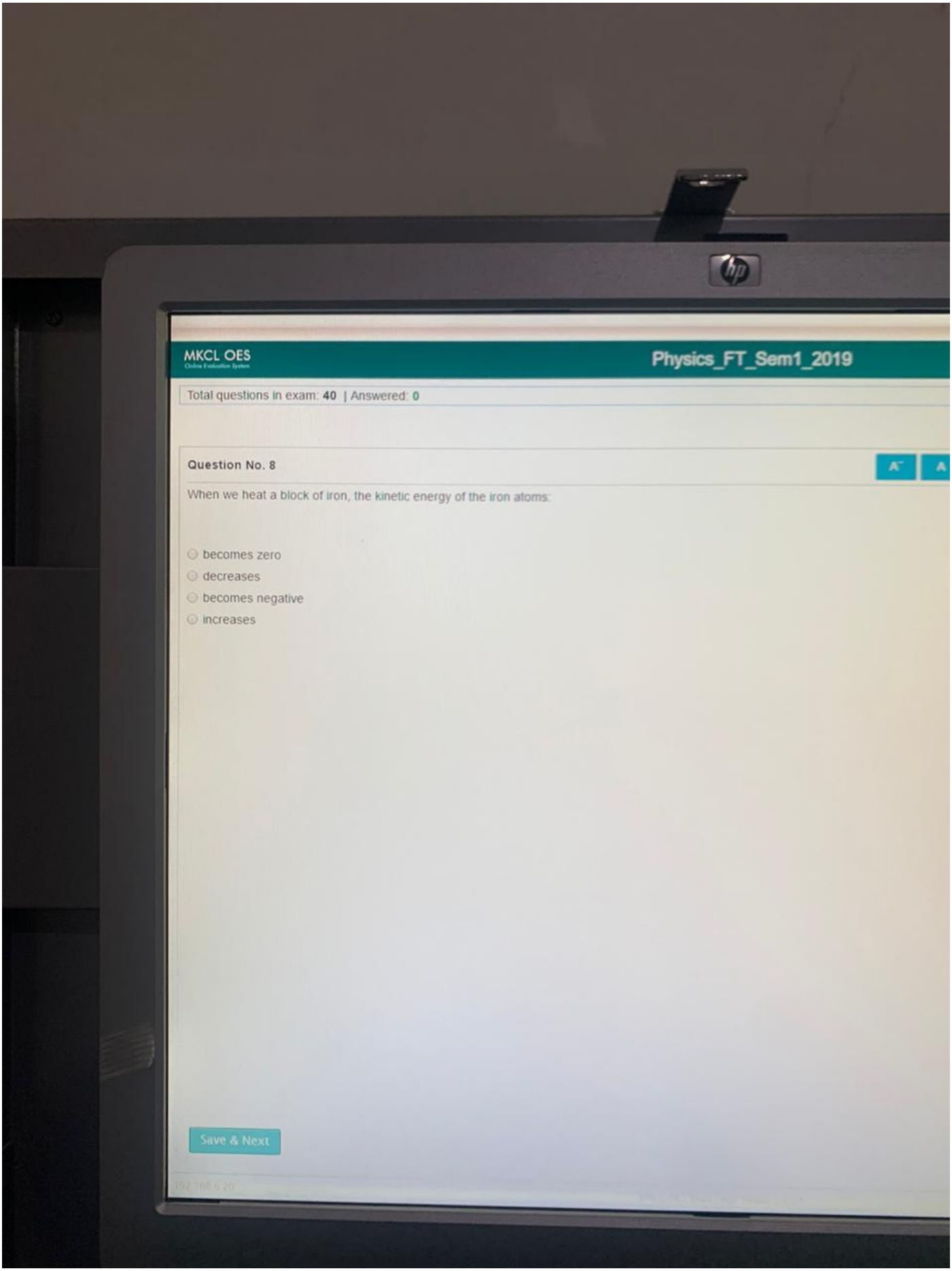
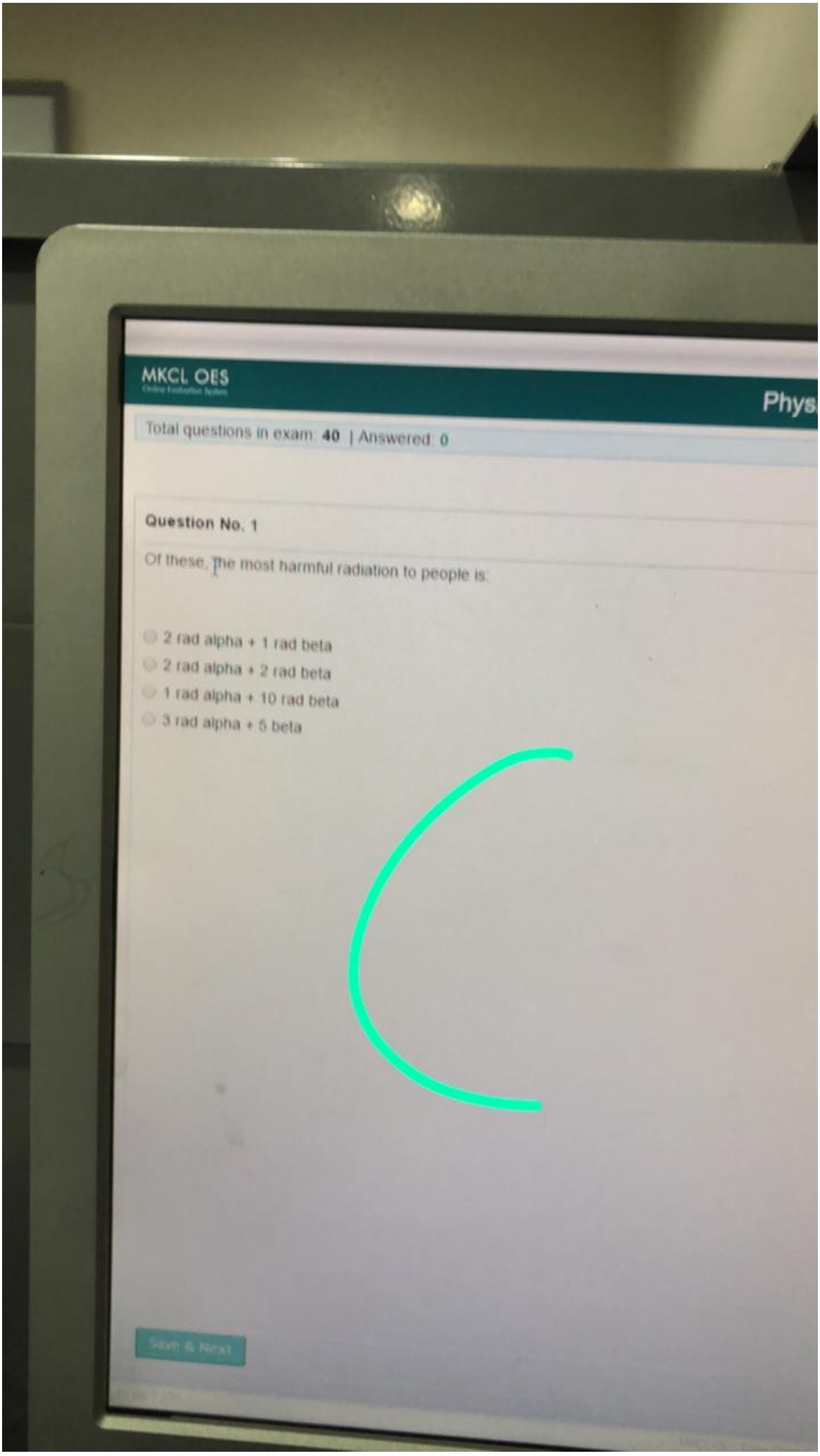
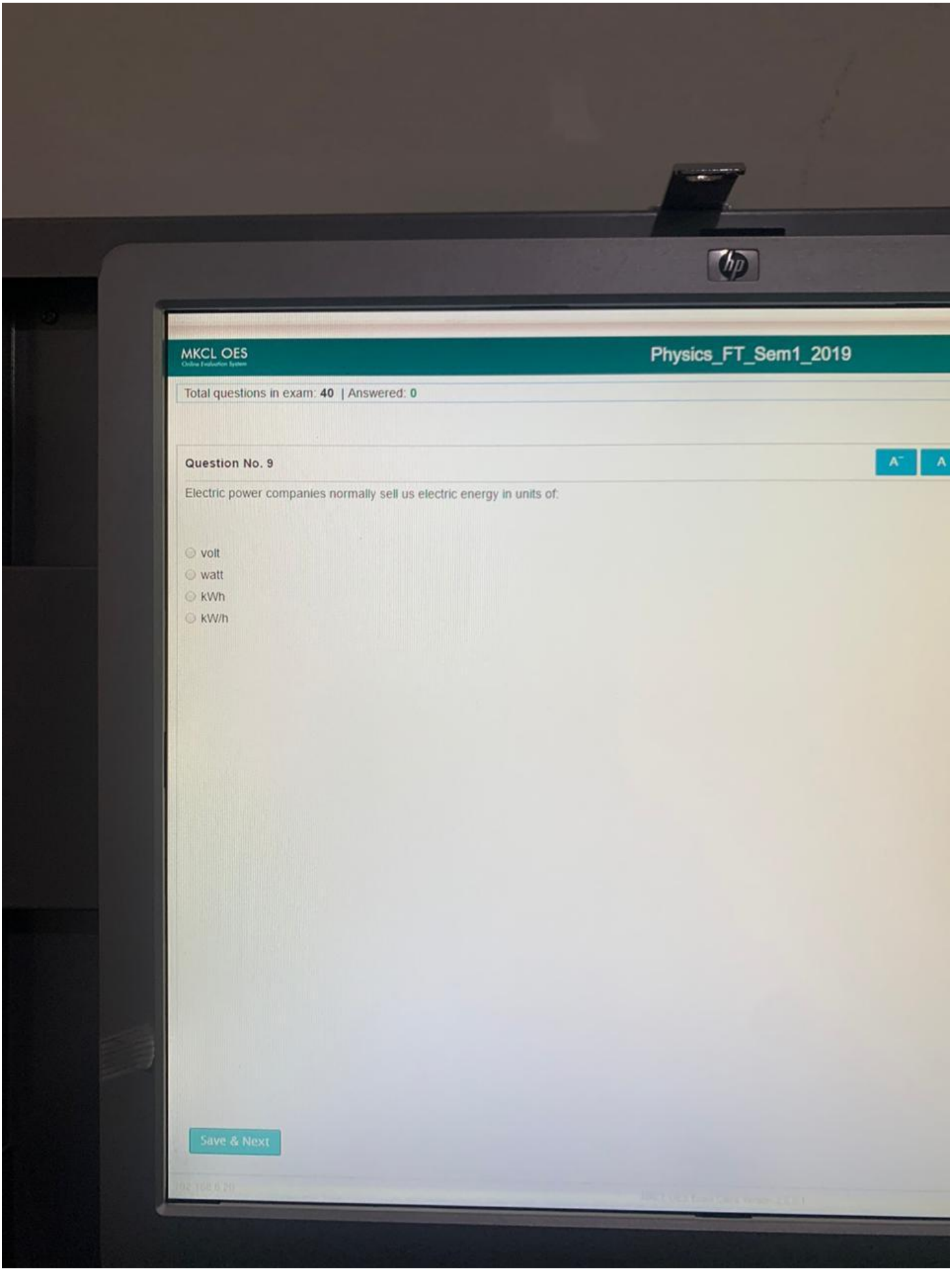
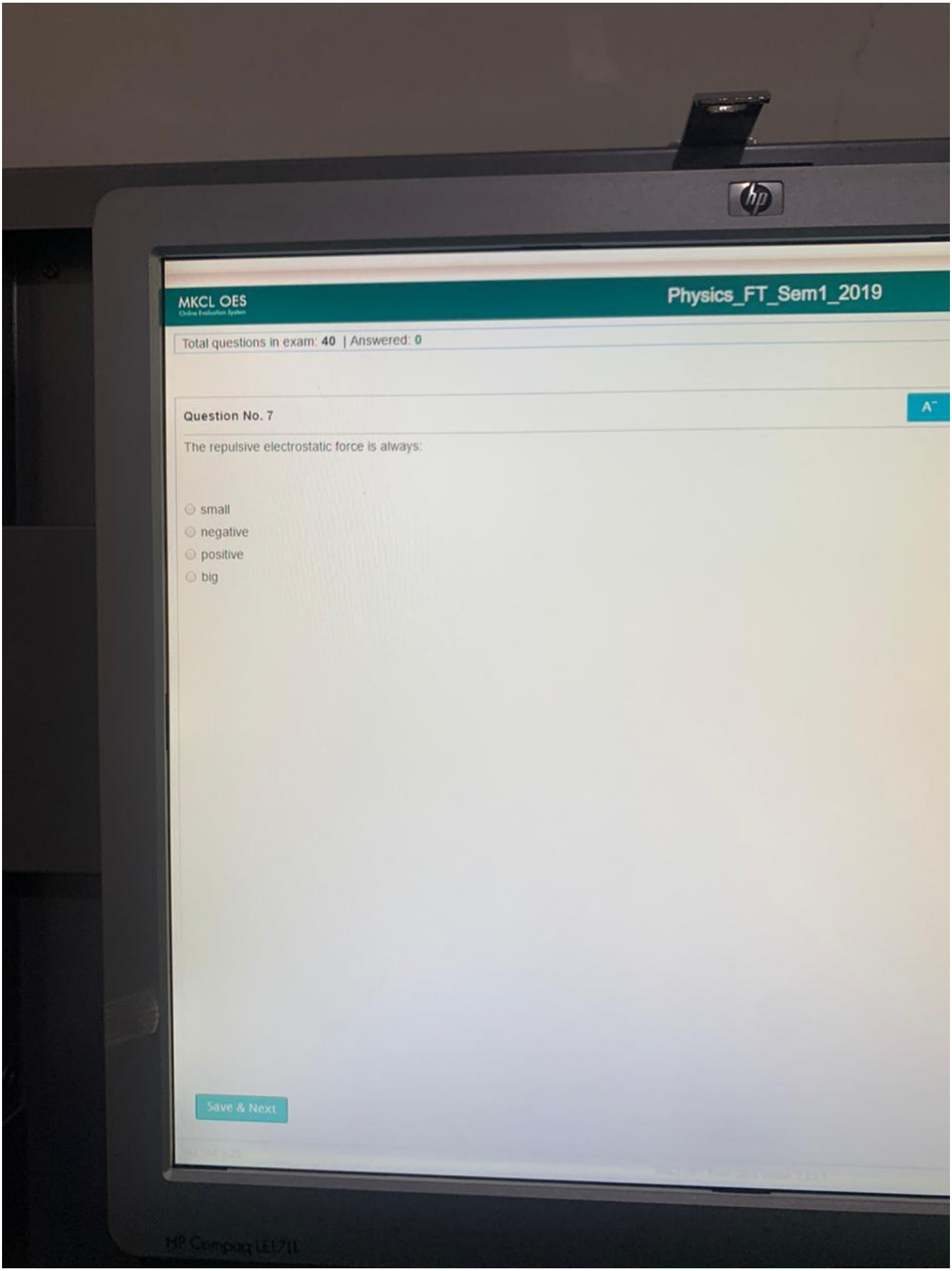
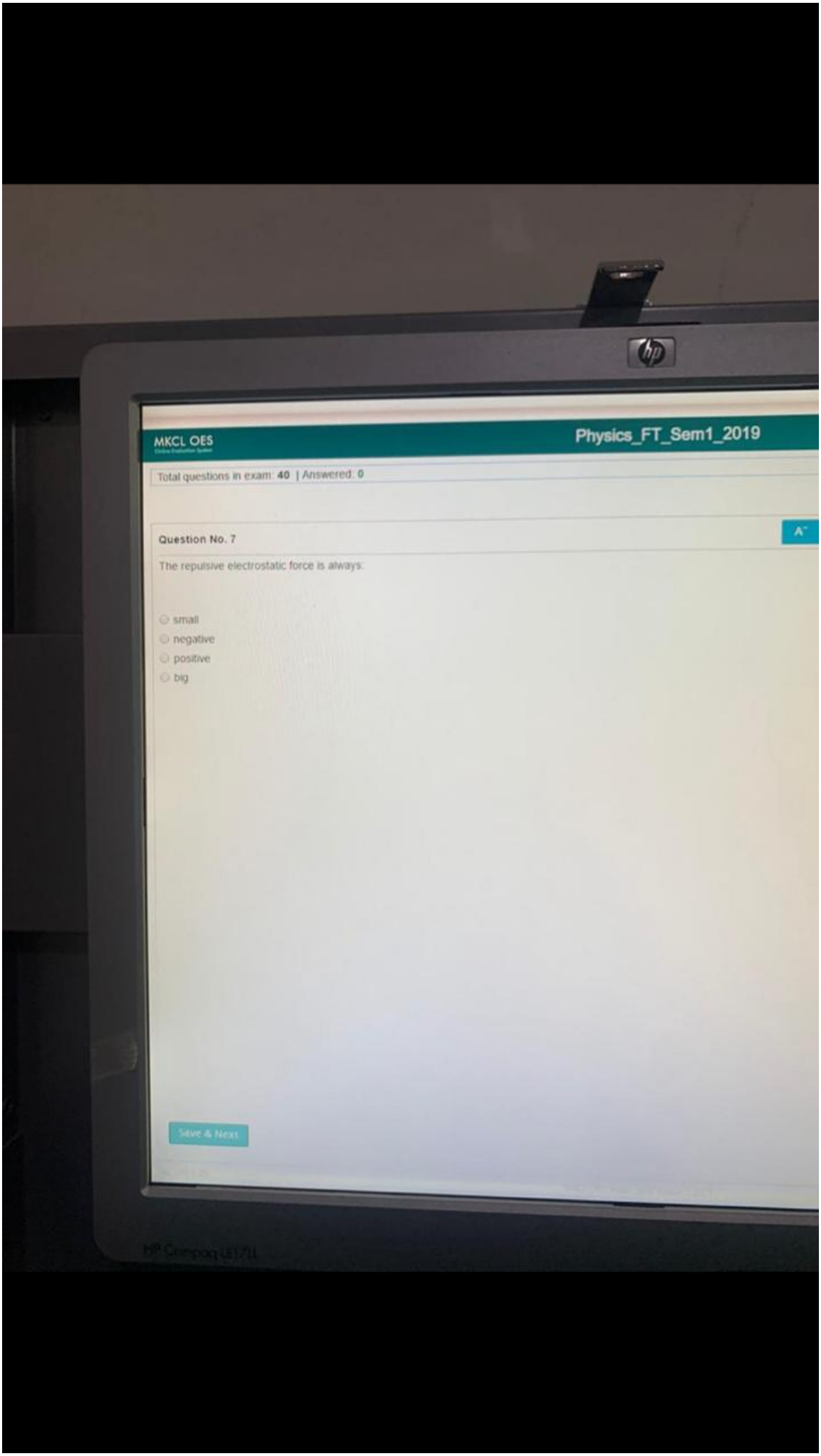
100 N
Save & Next

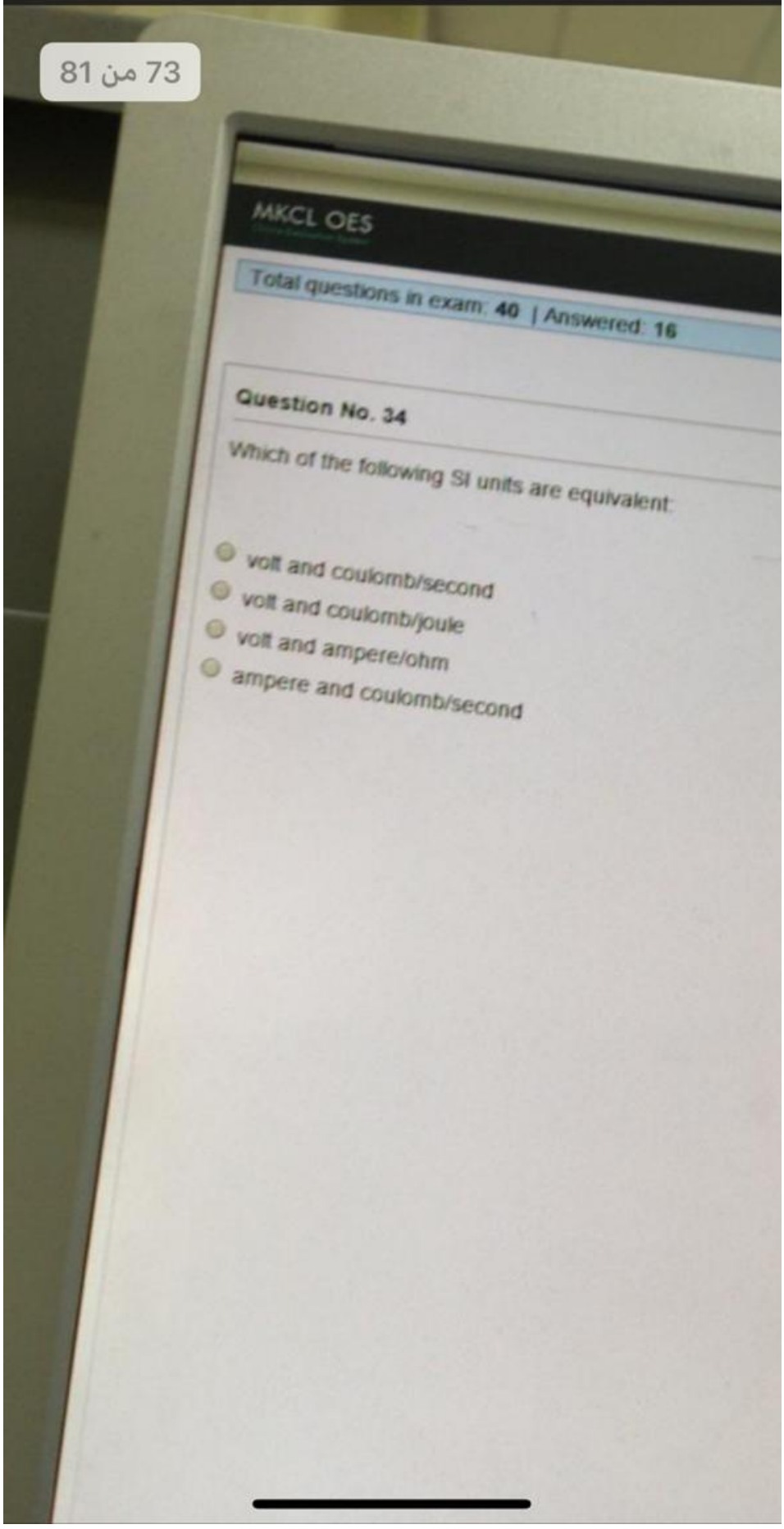

MKCL OES
Online Evaluation System
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 0
Question No. 8
When we heat a block of iron, the kinetic energy of the iron atoms:
becomes zero
decreases
becomes negative
increases
Save & Next

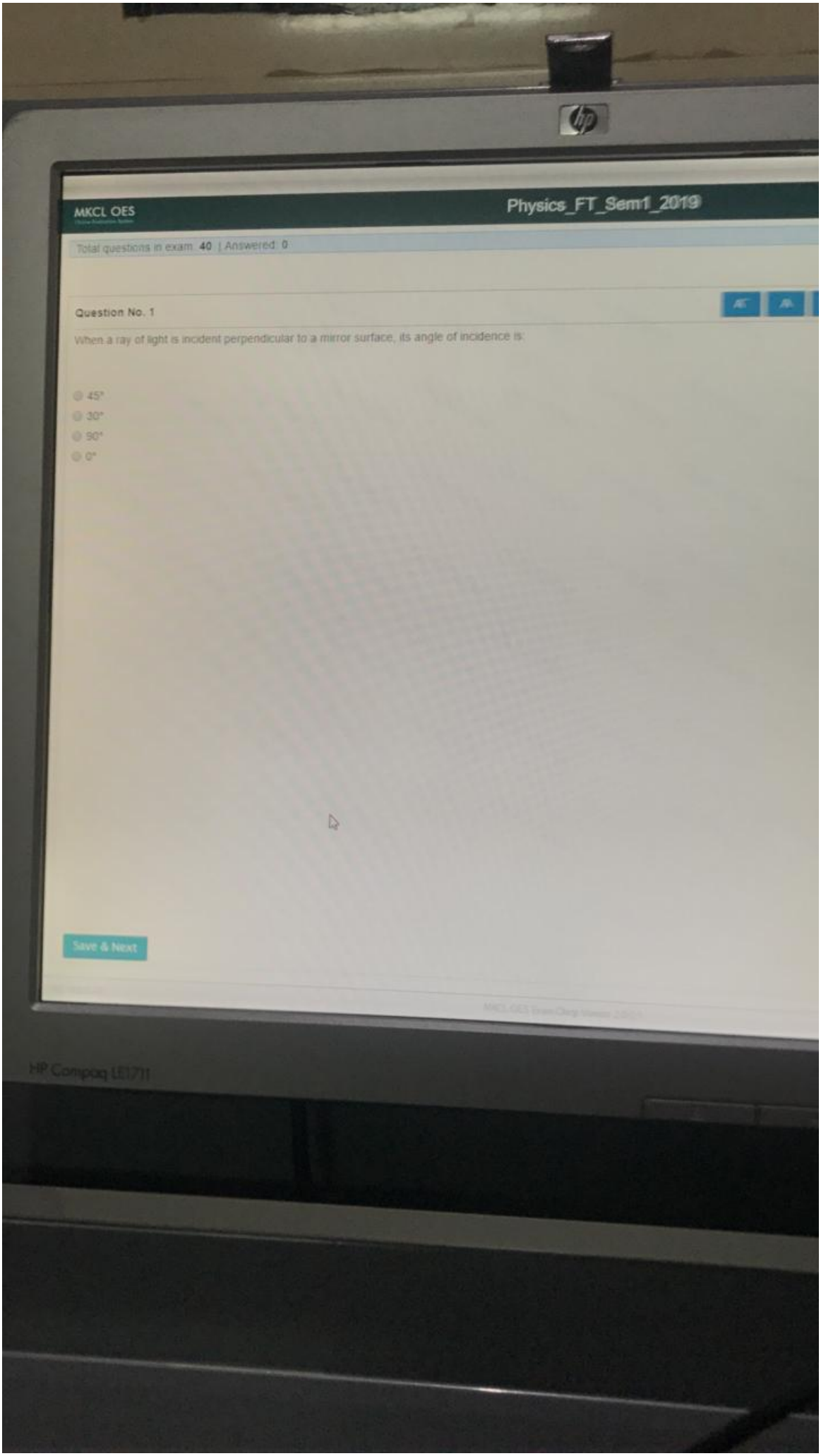

MKCL OES
Phys
Total questions in exam: 40 | Answered: 0
Question No. 1
Of these, the most harmful radiation to people is:
2 rad alpha + 1 rad beta
2 rad alpha + 2 rad beta
1 rad alpha + 10 rad beta
3 rad alpha + 5 beta
Save & Next

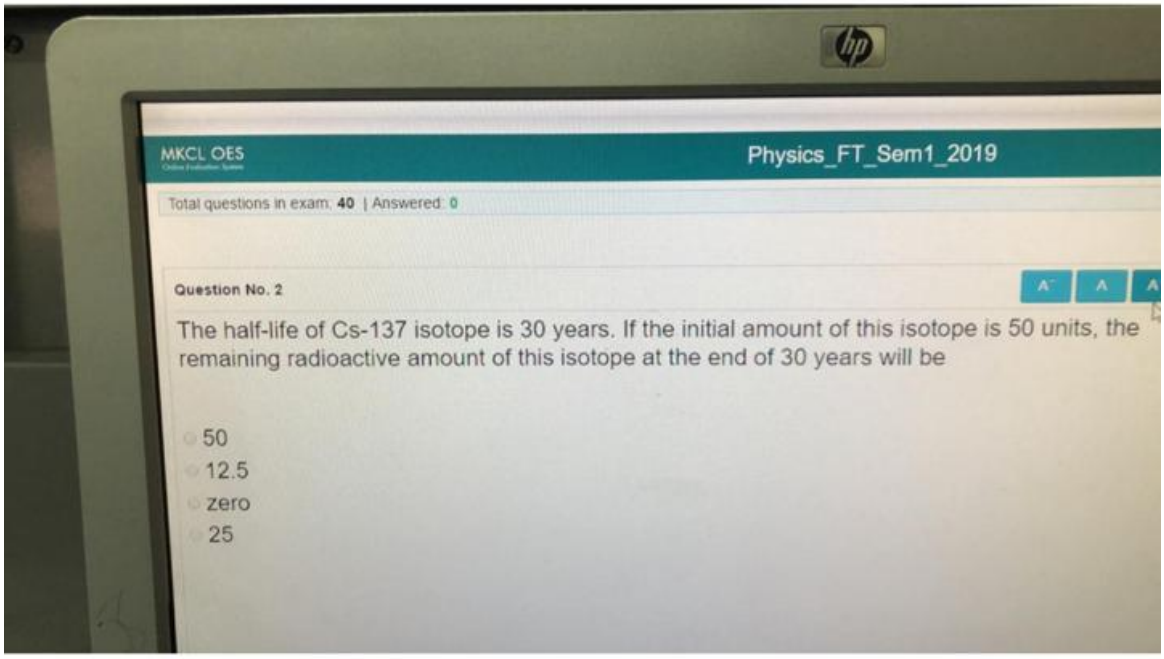

MKCL OES
Online Evaluation System
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 0
Question No. 9
A⁻
A
Electric power companies normally sell us electric energy in units of:
volt
watt
kWh
kW/h
Save & Next

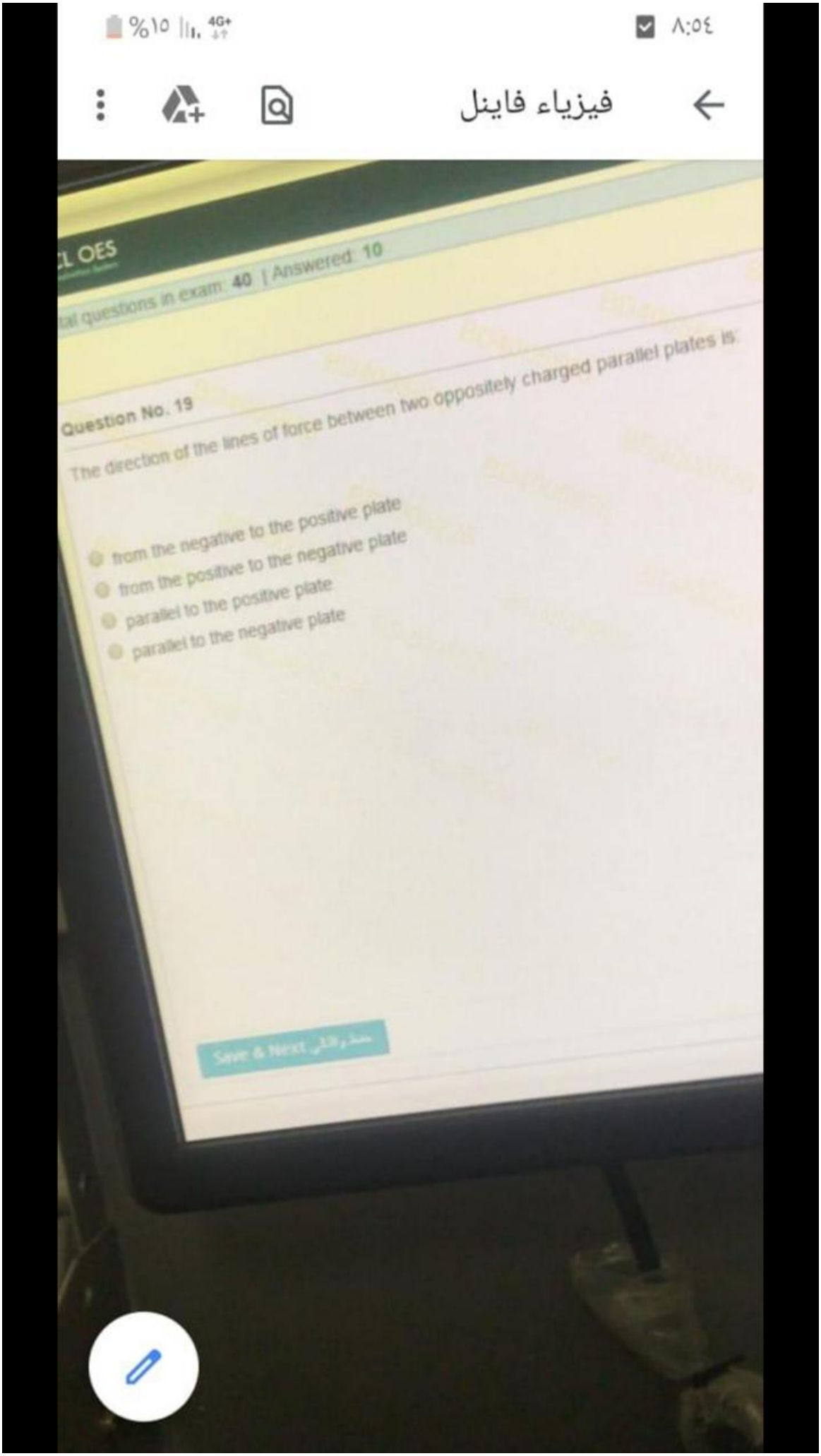

MKCL OES
Online Evaluation System
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 0
Question No. 7
A⁻
The repulsive electrostatic force is always:
small
negative
positive
big
Save & Next


MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 0
Question No. 7
A
The repulsive electrostatic force is always:
small
negative
positive
big
Save & Next


MKCL OES
Total questions in exam: 40 | Answered: 16
Question No. 34
Which of the following SI units are equivalent:
volt and coulomb/second
volt and coulomb/joule
volt and ampere/ohm
ampere and coulomb/second


MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 0
Question No. 1
When a ray of light is incident perpendicular to a mirror surface, its angle of incidence is:
45°
30°
90°
0°
Save & Next
HP Compaq LE1711


MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 0
Question No. 2
The half-life of Cs-137 isotope is 30 years. If the initial amount of this isotope is 50 units, the remaining radioactive amount of this isotope at the end of 30 years will be
50
12.5
zero
25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فيزياء فاينل
L OES
tal questions in exam: 40 | Answered: 10
Question No. 19
The direction of the lines of force between two oppositely charged parallel plates is:
from the negative to the positive plate
from the positive to the negative plate
parallel to the positive plate
parallel to the negative plate
Save & Next

MKCL OES

Total questions in exam: **40** | Answered: **0**

Question No. 7

The repulsive electrostatic force is always:

- small
- negative
- positive
- big

MKCL OES

Physics_FT_Sem1_2019

Total questions in exam: **40** | Answered: **1**

Question No. 2

A⁻ A A⁺

An electric circuit consists of a lamp connected across the terminals of a 9-V battery. If the electric current in this circuit is 3 mA, the resistance of the lamp is:

- 30 kΩ
- 3 kΩ
- 30 Ω
- 3 Ω

User CL405

Numbe of n

Numbe of q

1 Answered

32 Not Visite

1 2

8

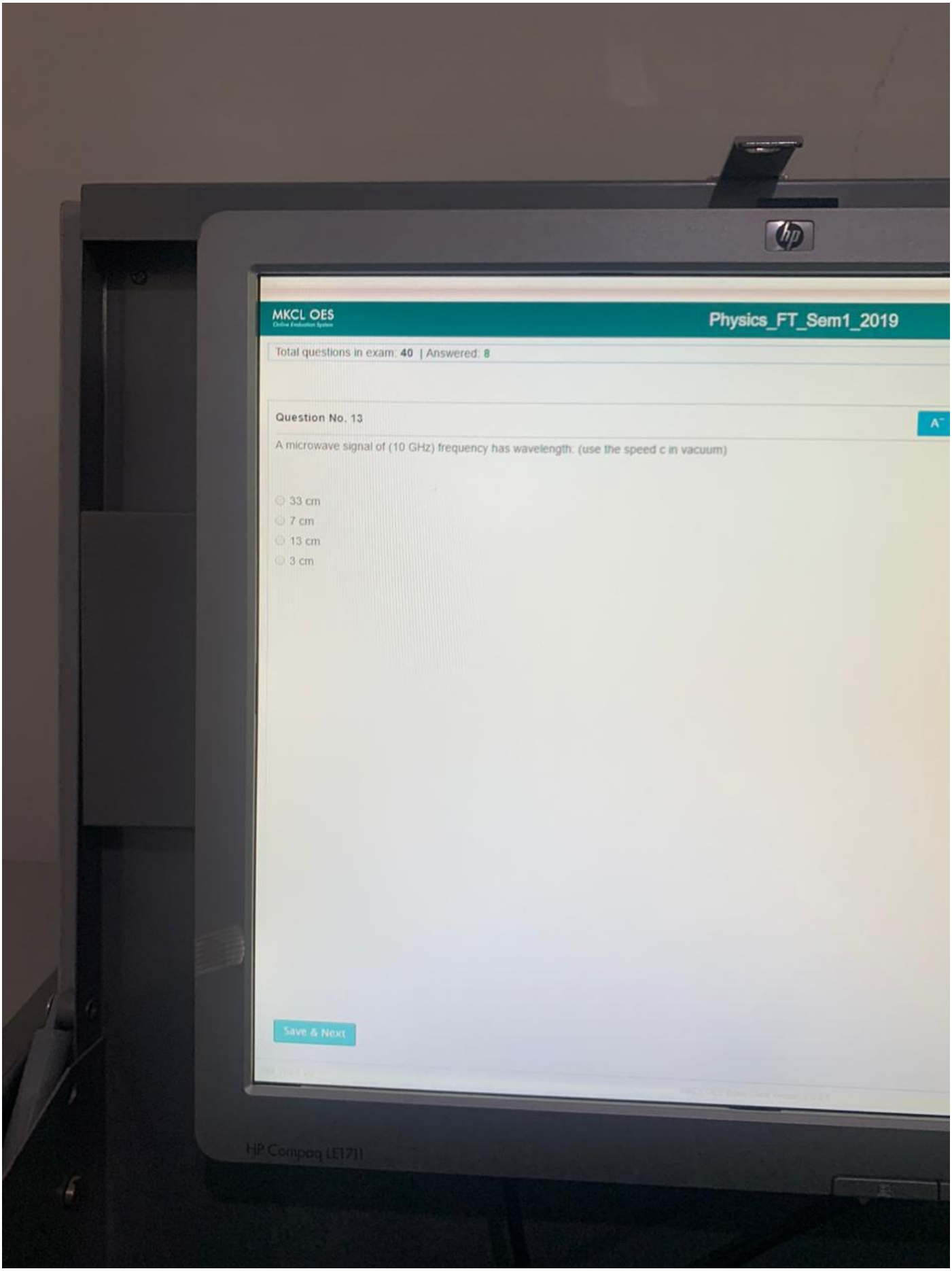
15 16

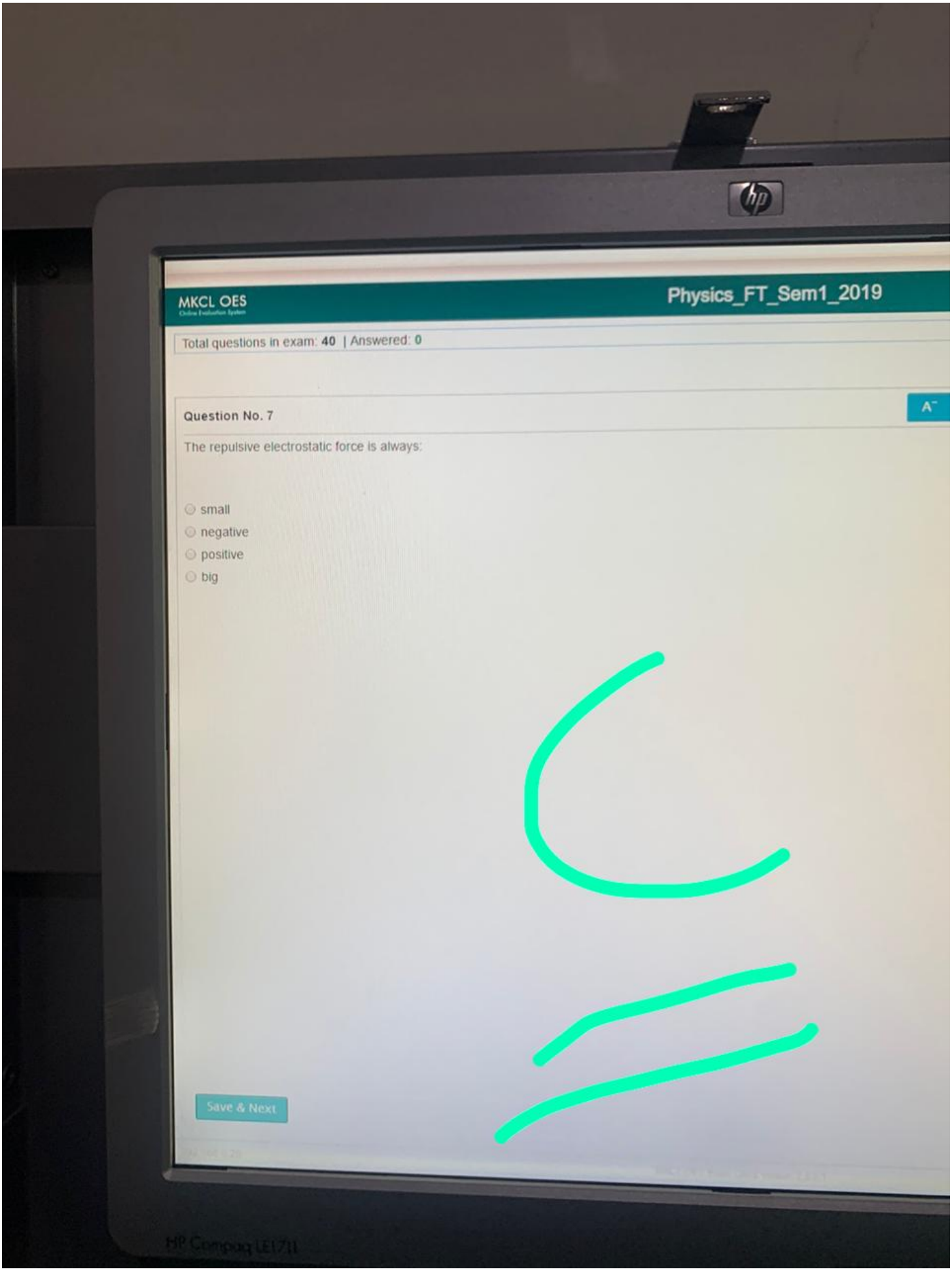
22 23

29 30

36 37

أرسل دردشة


MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 8
Question No. 13
A microwave signal of (10 GHz) frequency has wavelength: (use the speed c in vacuum)
33 cm
7 cm
13 cm
3 cm
Save & Next
HP Compaq LE1711


MKCL OES
Physics_FT_Sem1_2019
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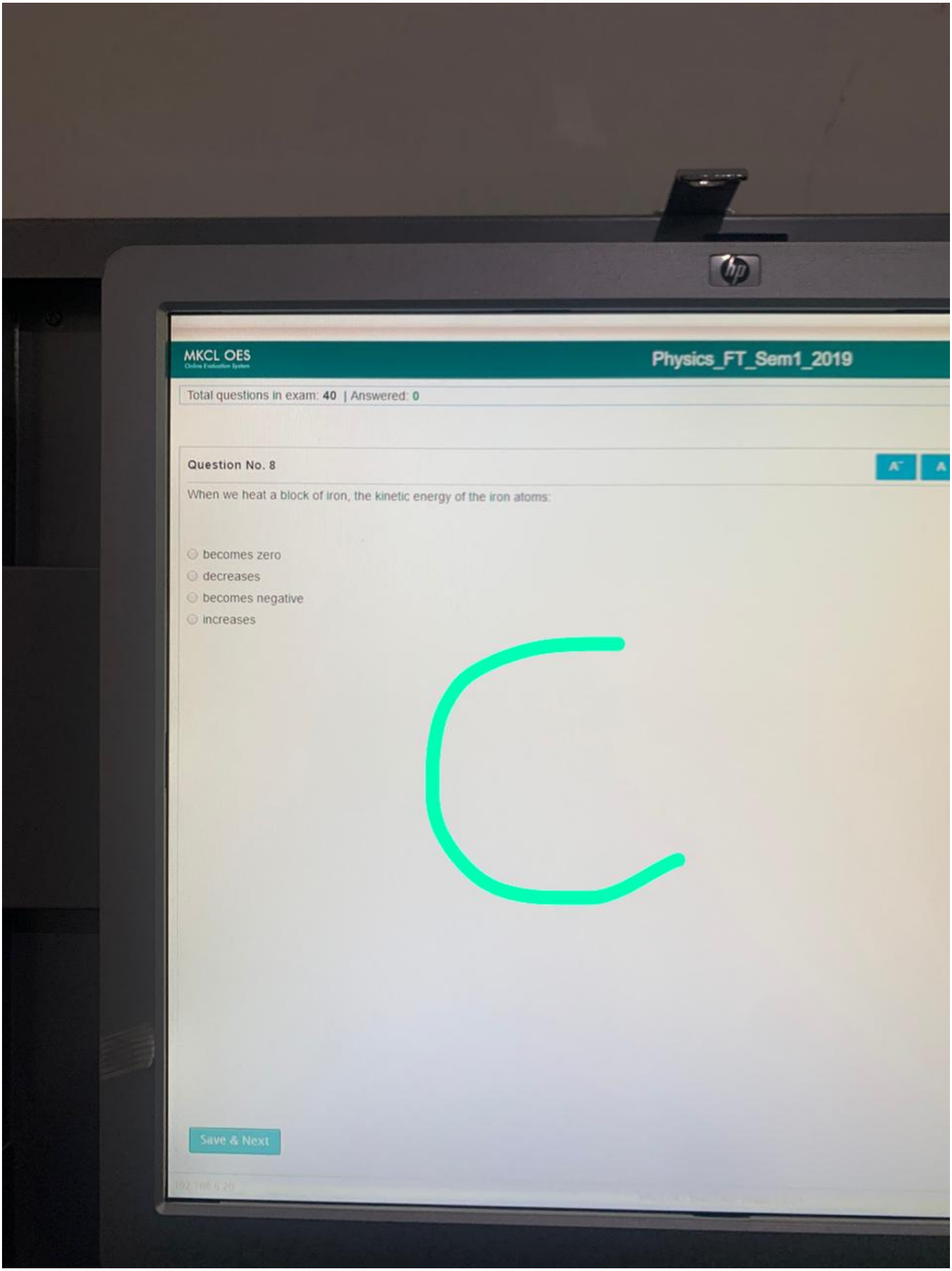
big
Save & Next


MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 0
Question No. 8
When we heat a block of iron, the kinetic energy of the iron atoms:
becomes zero
decreases
becomes negative
increases
Save & Next

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Question No. 45

When a ray of light is incident perpendicular to a mirror surface, its angle of incidence is:

- 30°
- 0°
- 90°
- 45°

B

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Question No. 20
If a candle is placed at 10 cm from a concave mirror of 30-cm focal length, its image will be:
real and enlarged
real and smaller
virtual and enlarged
virtual and smaller
F6
F7
F8
F9
F10

MKCL OES
Online Evaluation System

Physics_FT_Sem1_2019

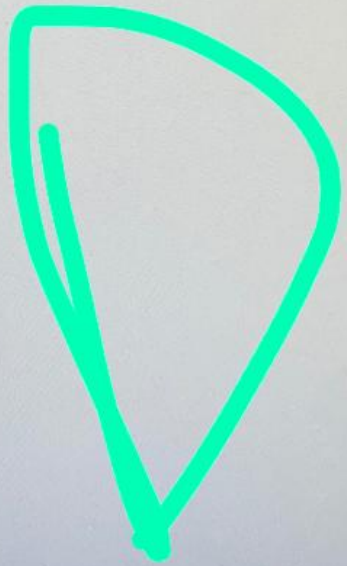
Total questions in exam: **40** | Answered: **0**

A⁻ A A

Question No. 4

For resistances that are connected in series, the equivalent resistance is:

- equal the smallest resistance
- less than the smallest resistance
- equal the biggest resistance
- bigger than the biggest resistance



MKCL OES
Online Evaluation System

Physics_FT_Sem1

Total questions in exam: **40** | Answered: **1**

Question No. 4

The change of phase from solid to liquid is:

- vaporization
- solidification
- melting
- condensation

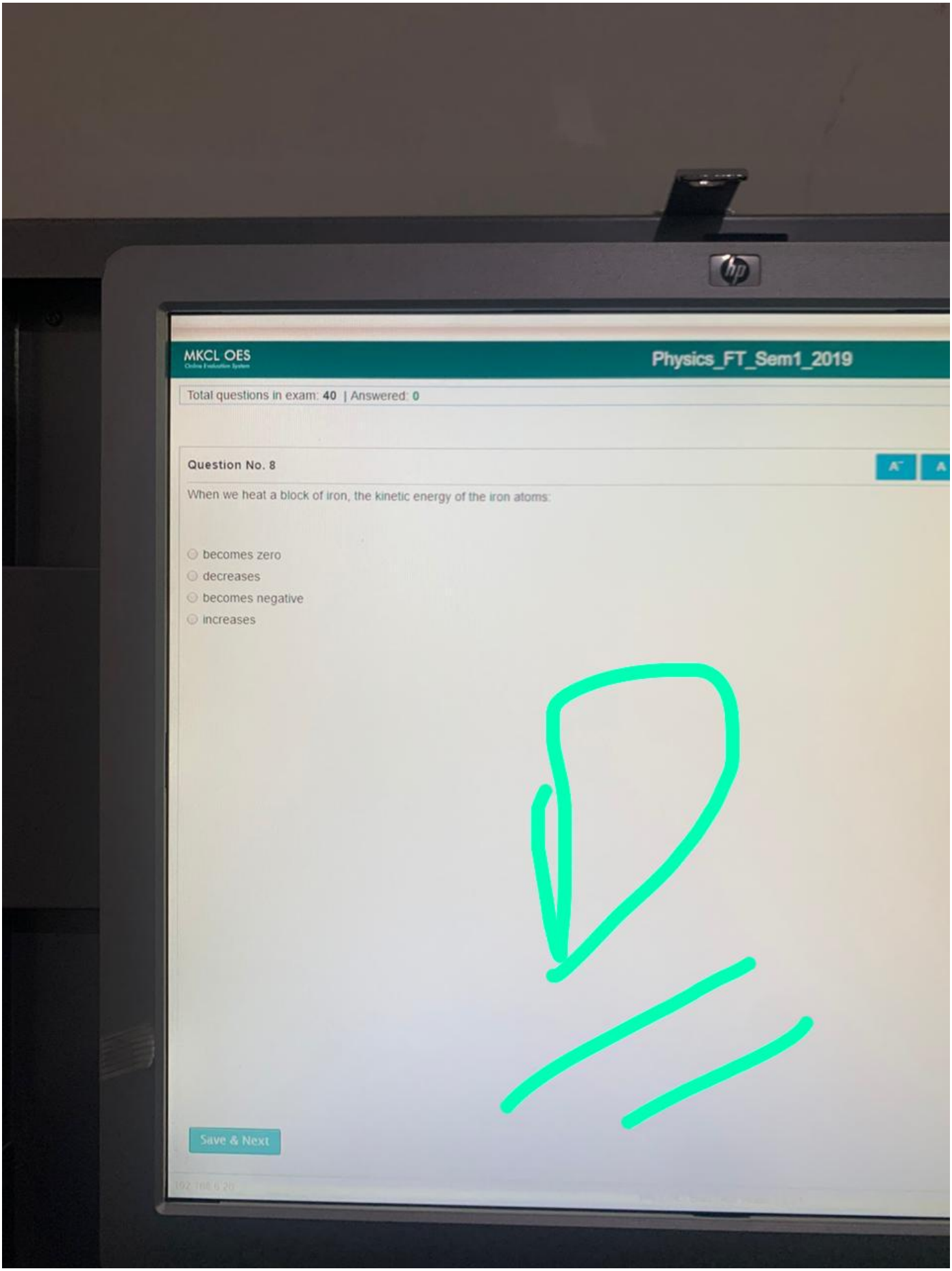
أرسل دردشة

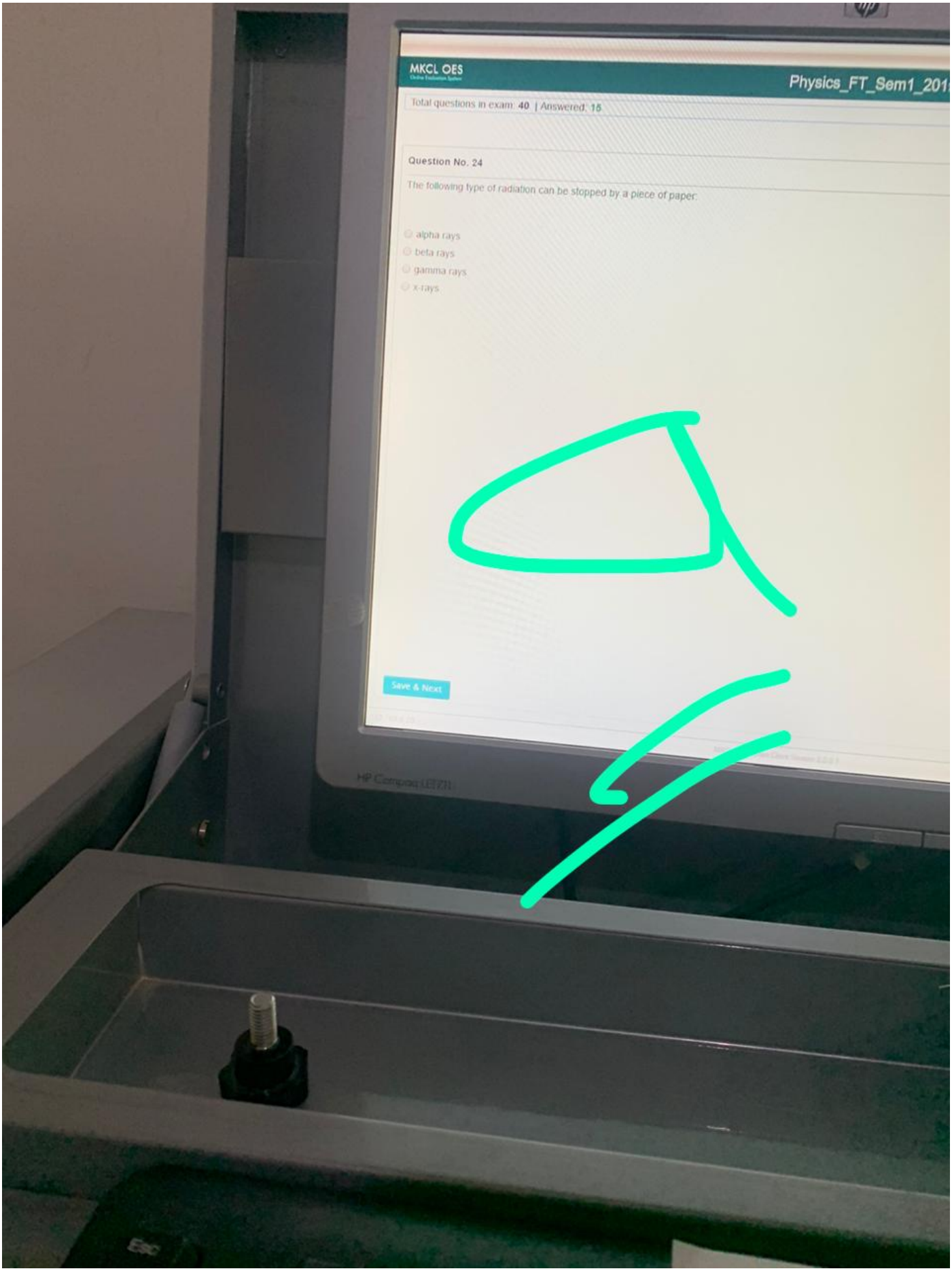
Question No. 3

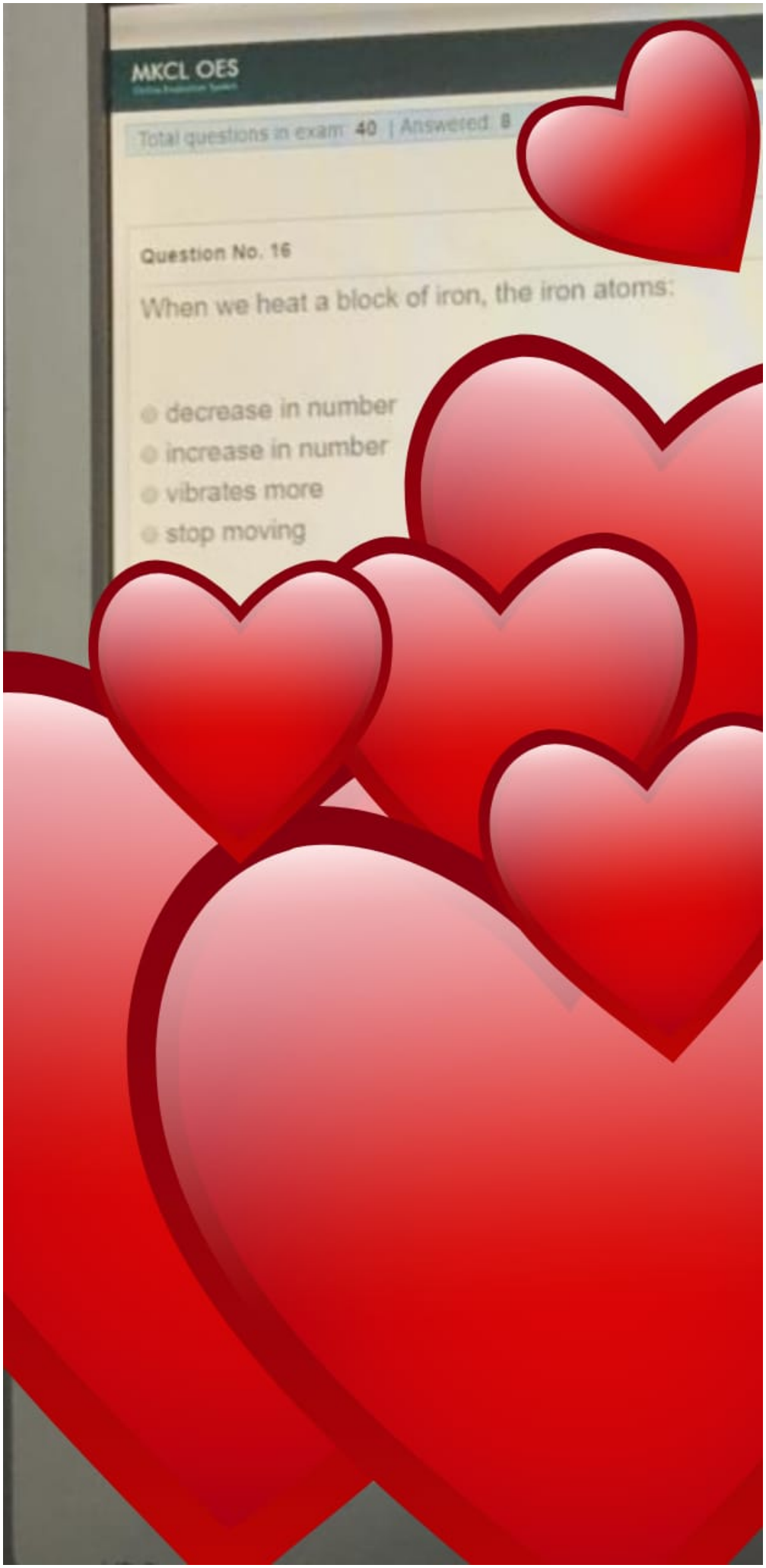
A⁻ A A⁺

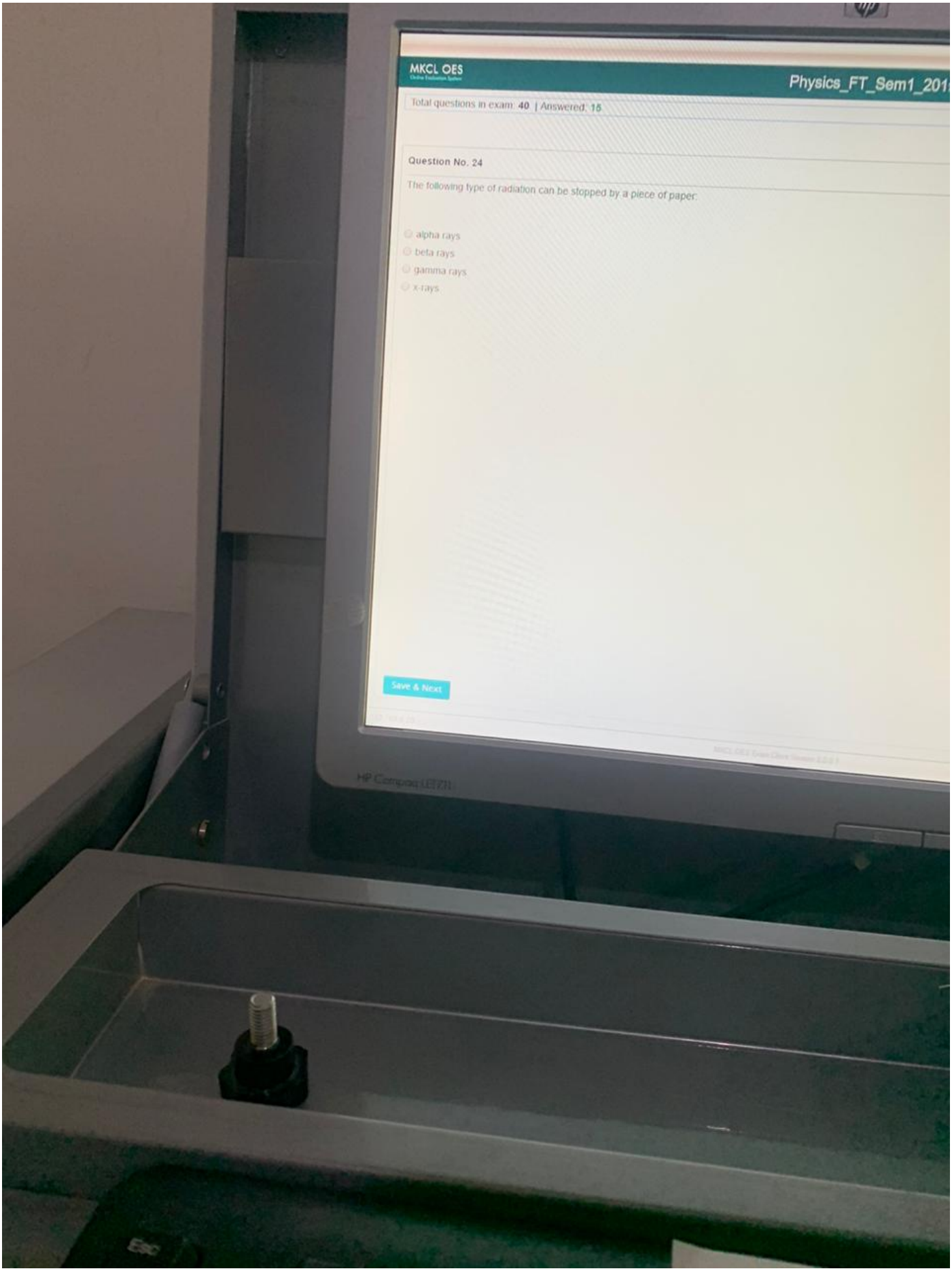
Three identical lamps, each of resistance 9 Ω, are connected in parallel to a 9-V battery. The potential difference across each lamp is:

- 9 V
- 12 V
- 3 V
- 6 V

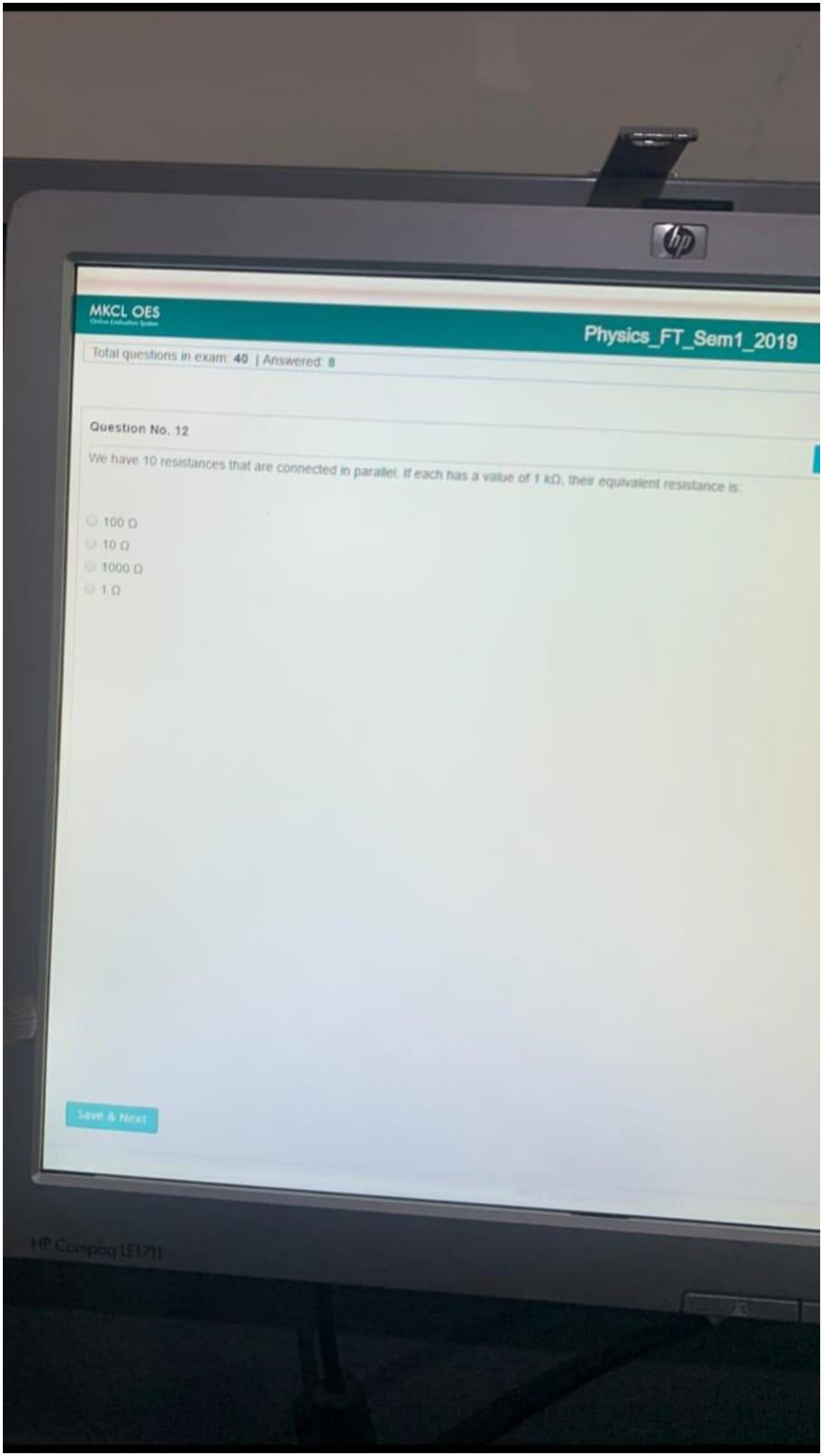

MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 0
Question No. 8
When we heat a block of iron, the kinetic energy of the iron atoms:
becomes zero
decreases
becomes negative
increases
Save & Next

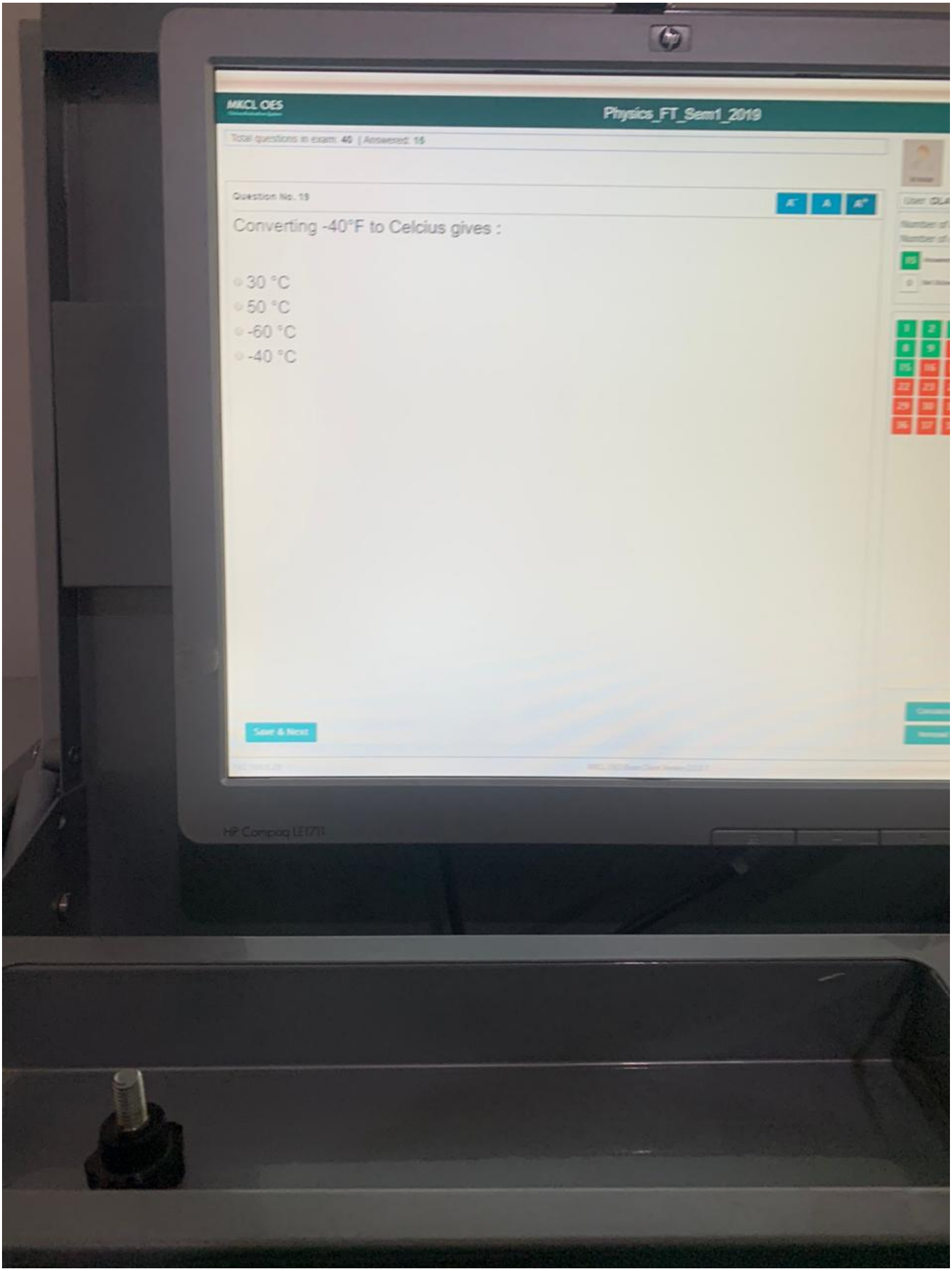

MKCL OES
Physics_FT_Sem1_201
Total questions in exam: 40 | Answered: 15
Question No. 24
The following type of radiation can be stopped by a piece of paper:
alpha rays
beta rays
gamma rays
x-rays
Save & Next

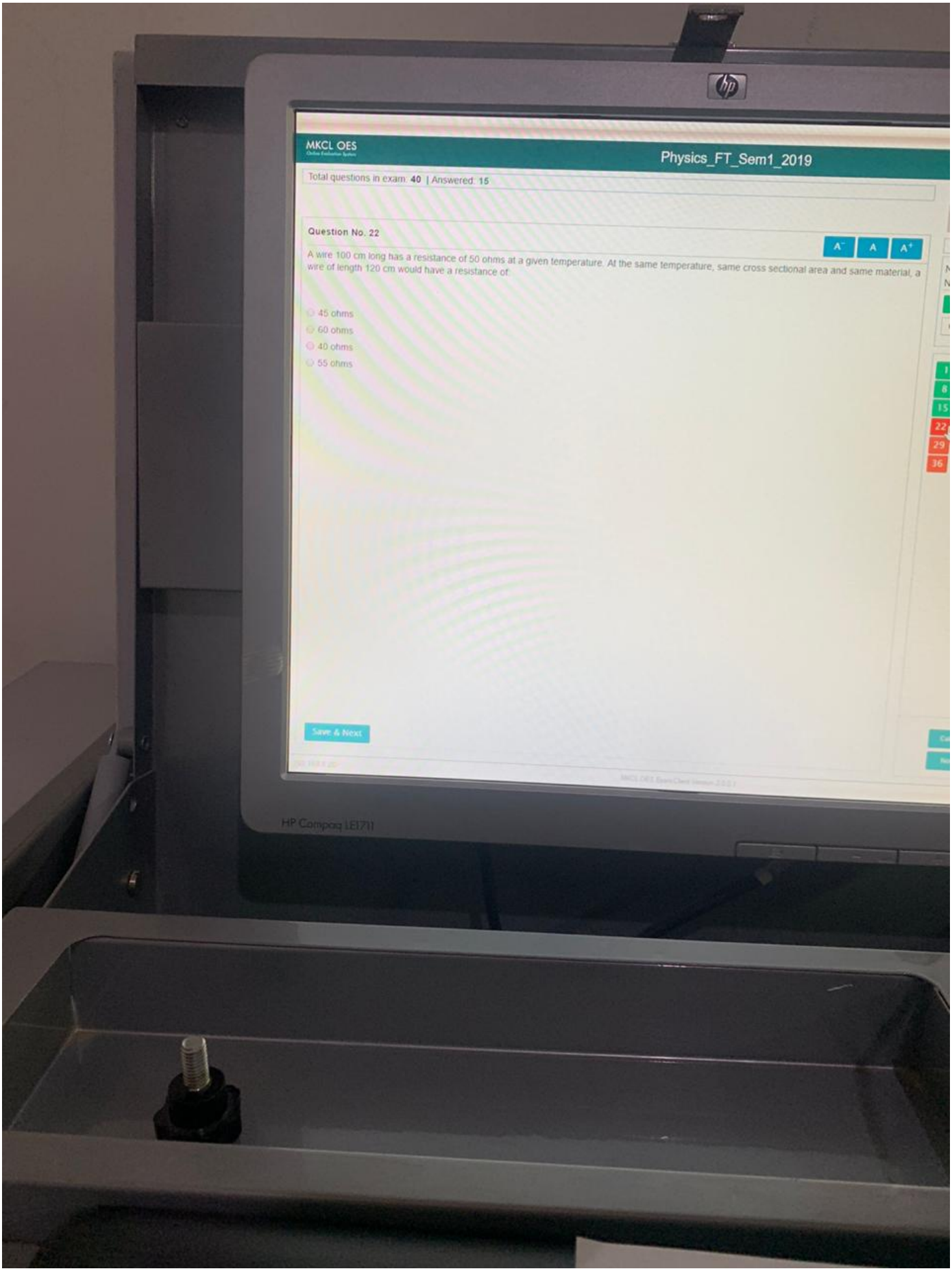

MKCL OES
Total questions in exam: 40 | Answered: 8
Question No. 16
When we heat a block of iron, the iron atoms:
decrease in number
increase in number
vibrates more
stop moving

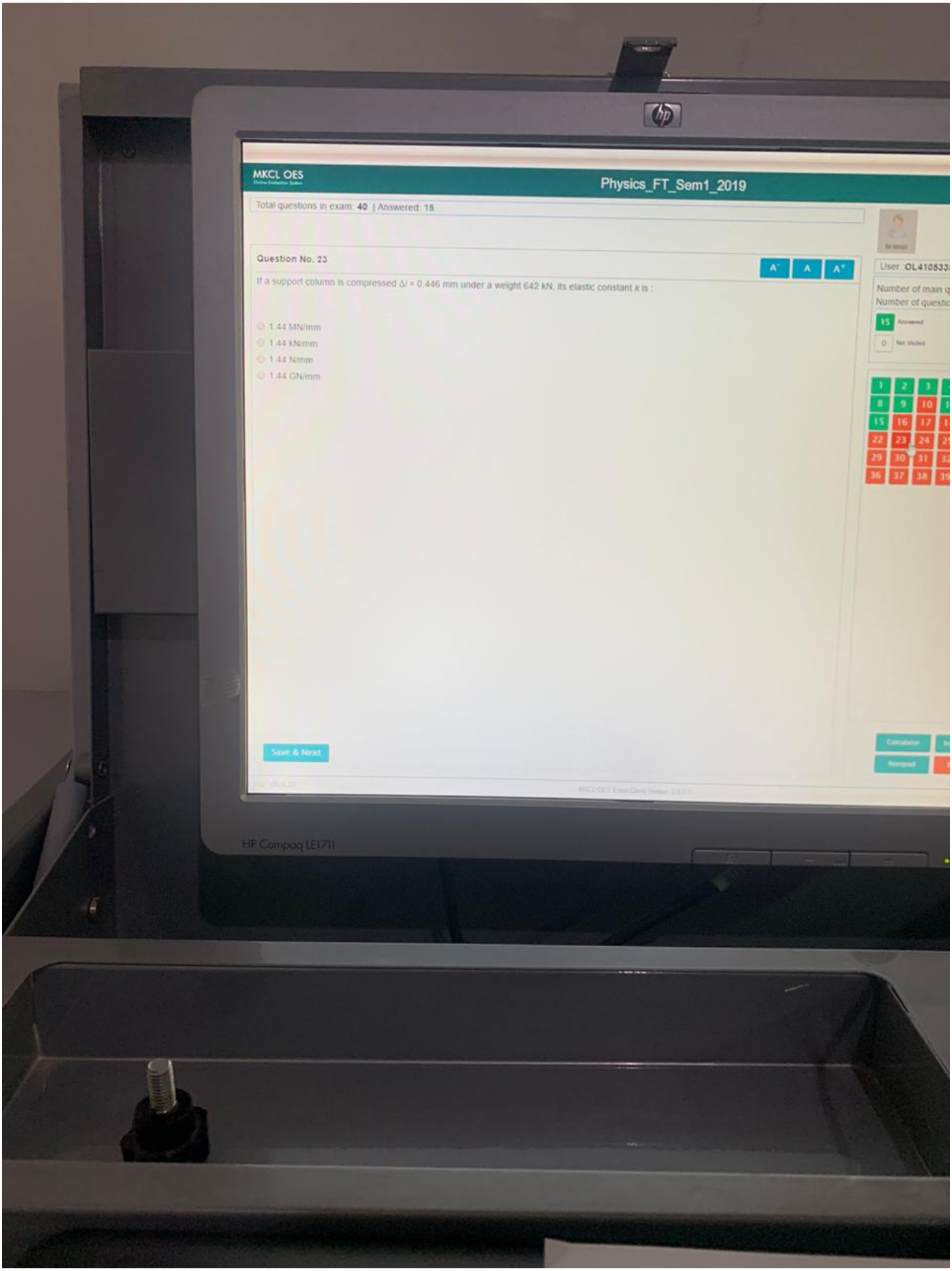

MKCL OES
Physics_FT_Sem1_201
Total questions in exam: 40 | Answered: 15
Question No. 24
The following type of radiation can be stopped by a piece of paper:
alpha rays
beta rays
gamma rays
x-rays
Save & Next

Diriyah Season
8:53 AM
62%
تجميعات خطه(ب) @ Kh♍
Photo
MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 1
Question No. 9
If a support column is compressed Δl = 0.446 mm under a weight 642 kN, its elastic constant k is :
1.44 GN/mm
1.44 kN/mm
1.44 MN/mm
1.44 N/mm
A⁻
A
A⁺
أرسل دردشة
8:52 AM


MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 8
Question No. 12
We have 10 resistances that are connected in parallel. If each has a value of 1 kΩ, their equivalent resistance is:
100 Ω
10 Ω
1000 Ω
1 Ω
Save & Next
HP Compaq LE1711


MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 16
Question No. 19
Converting -40°F to Celcius gives :
30 °C
50 °C
-60 °C
-40 °C
Save & Next
HP Compaq LE1711


MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 15
Question No. 22
A wire 100 cm long has a resistance of 50 ohms at a given temperature. At the same temperature, same cross sectional area and same material, a wire of length 120 cm would have a resistance of:
45 ohms
60 ohms
40 ohms
55 ohms
Save & Next
HP Compaq LE1711


MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 15
Question No. 23
If a support column is compressed Δl = 0.446 mm under a weight 642 kN, its elastic constant k is :
1.44 MN/mm
1.44 kN/mm
1.44 N/mm
1.44 GN/mm
Save & Next
HP Compaq LE1711

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Online Evaluation System

Physics_FT_Sem1_2019

Total questions in exam: **40** | Answered: **10**

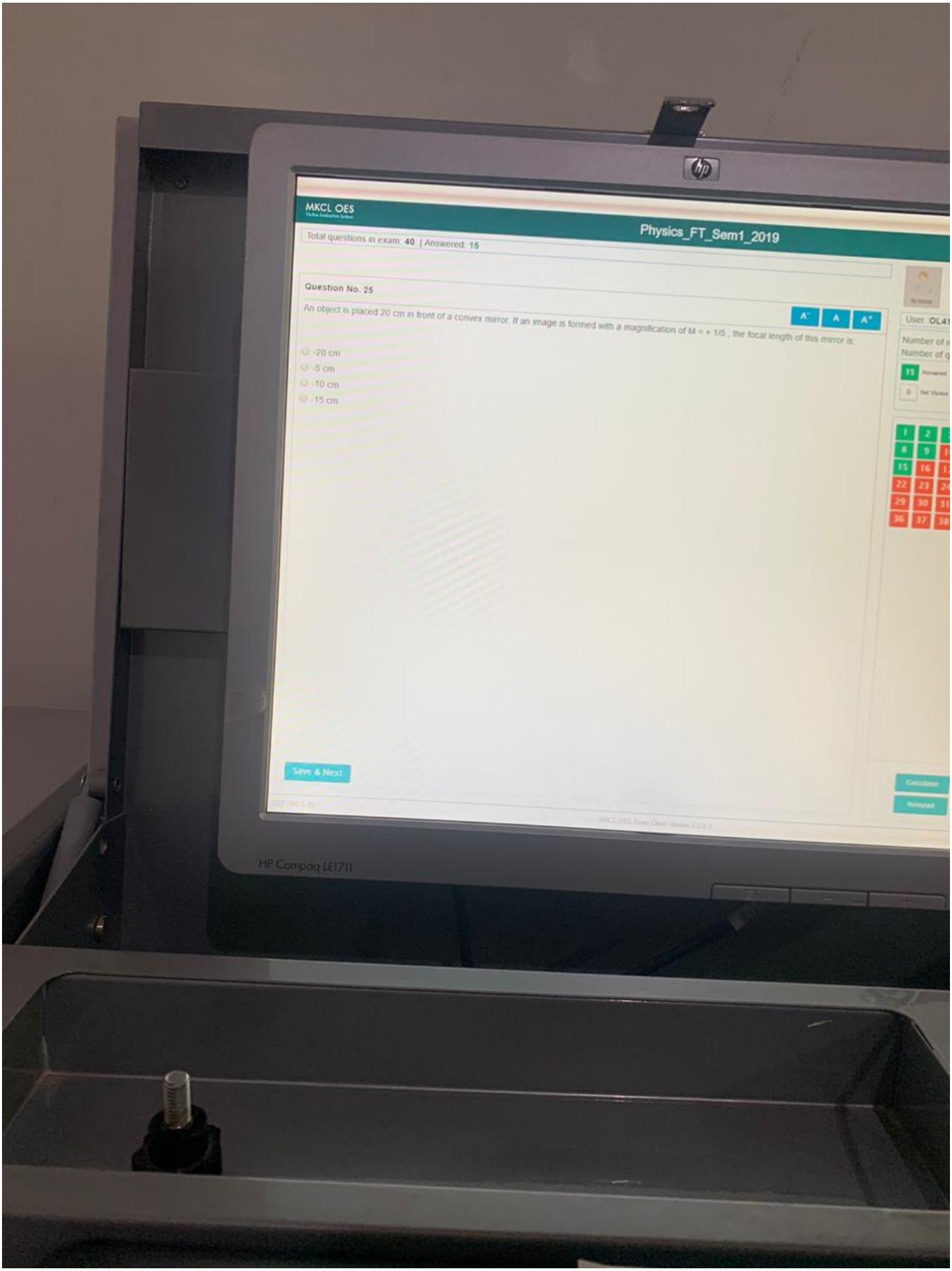
A⁻ A

Question No. 16

If the power rating of a lamp is 55 W, the current it draws in a 110-V electric circuit is:

- 2 A
- 0.25 A
- 5 A
- 0.5 A

Save & Next


MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 15
Question No. 25
An object is placed 20 cm in front of a convex mirror. If an image is formed with a magnification of M = + 1/5 , the focal length of this mirror is:
-20 cm
-5 cm
-10 cm
-15 cm
Save & Next
Calculator
Notepad
HP Compaq LE1711

Diriyah Season 8:53 AM 62%
تجميعات خطه(ب) @ Kh♍
Photo

MKCL OES

Physics_FT_Sem1_2019

Total questions in exam: 40 | Answered: 1

Question No. 9

If a support column is compressed $\Delta l = 0.446$ mm under a weight 642 kN, its elastic constant k is :

- 1.44 GN/mm
- 1.44 kN/mm
- 1.44 MN/mm
- 1.44 N/mm

A⁻ A A⁺

أرسل دردشة
8:52 AM

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Physics_FT_Sem1_2019

Total questions in exam: **40** | Answered: **27**

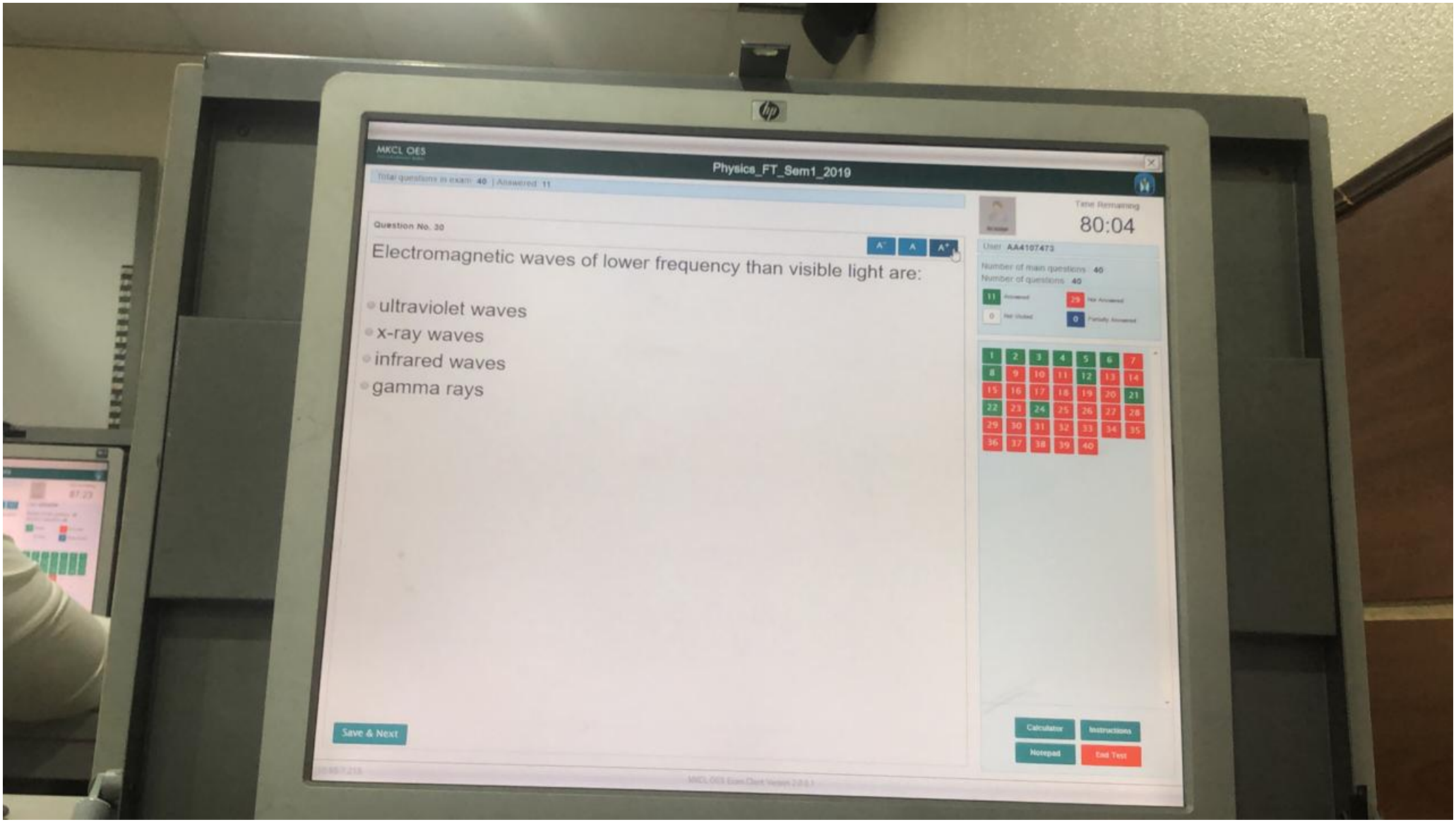
Question No. 18

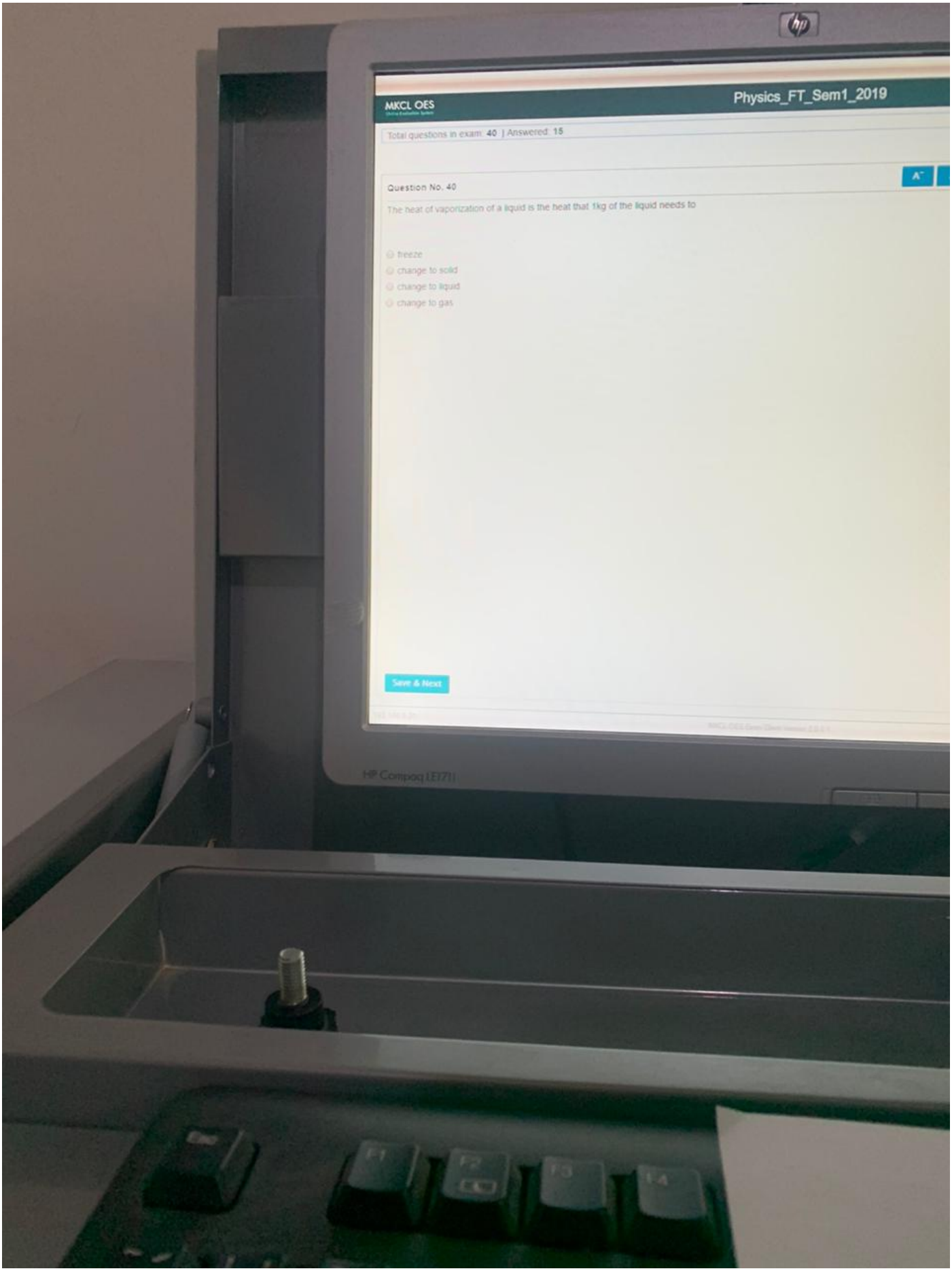
A⁻ A A⁺

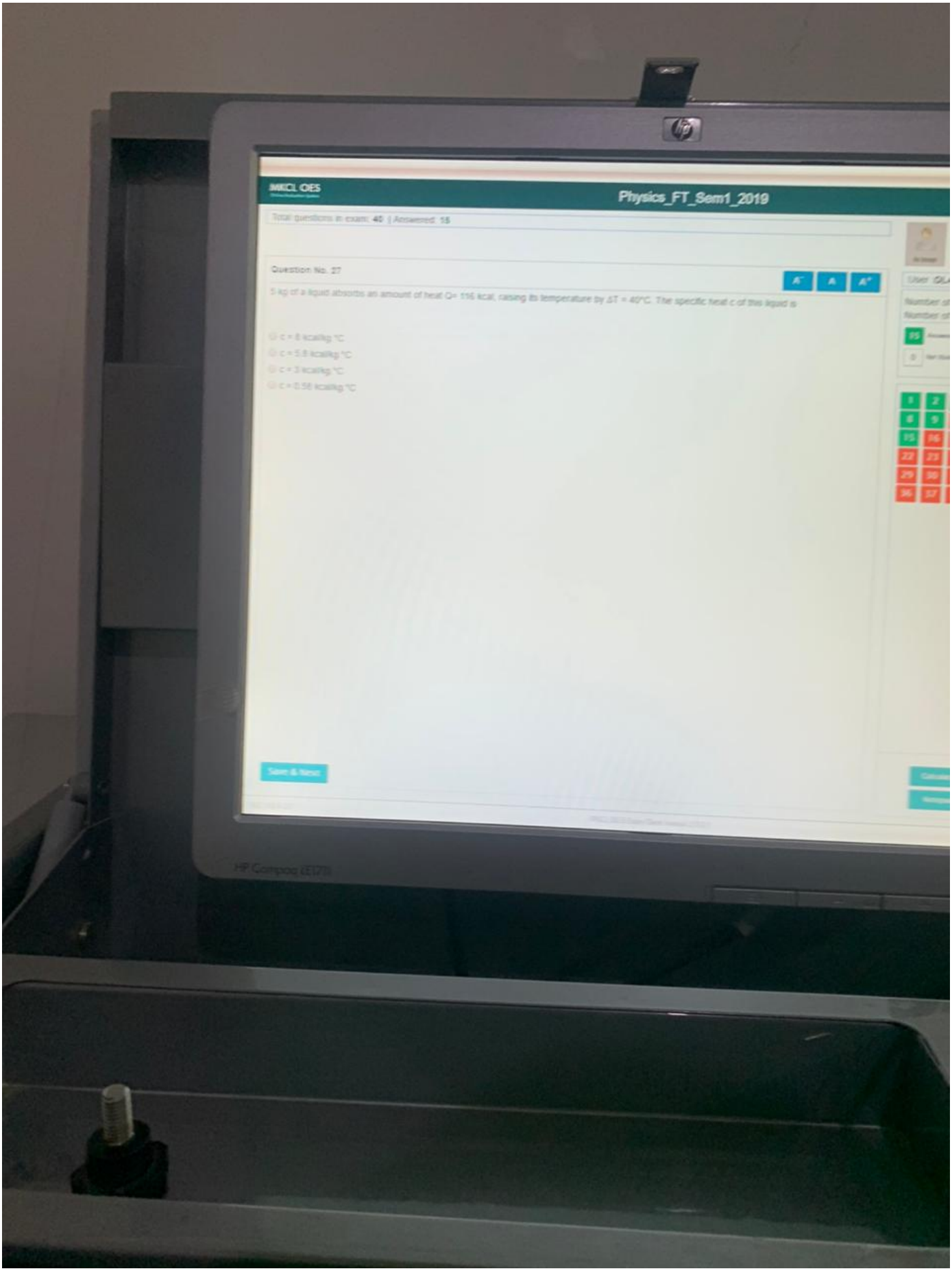
The magnification of a plane mirror is:

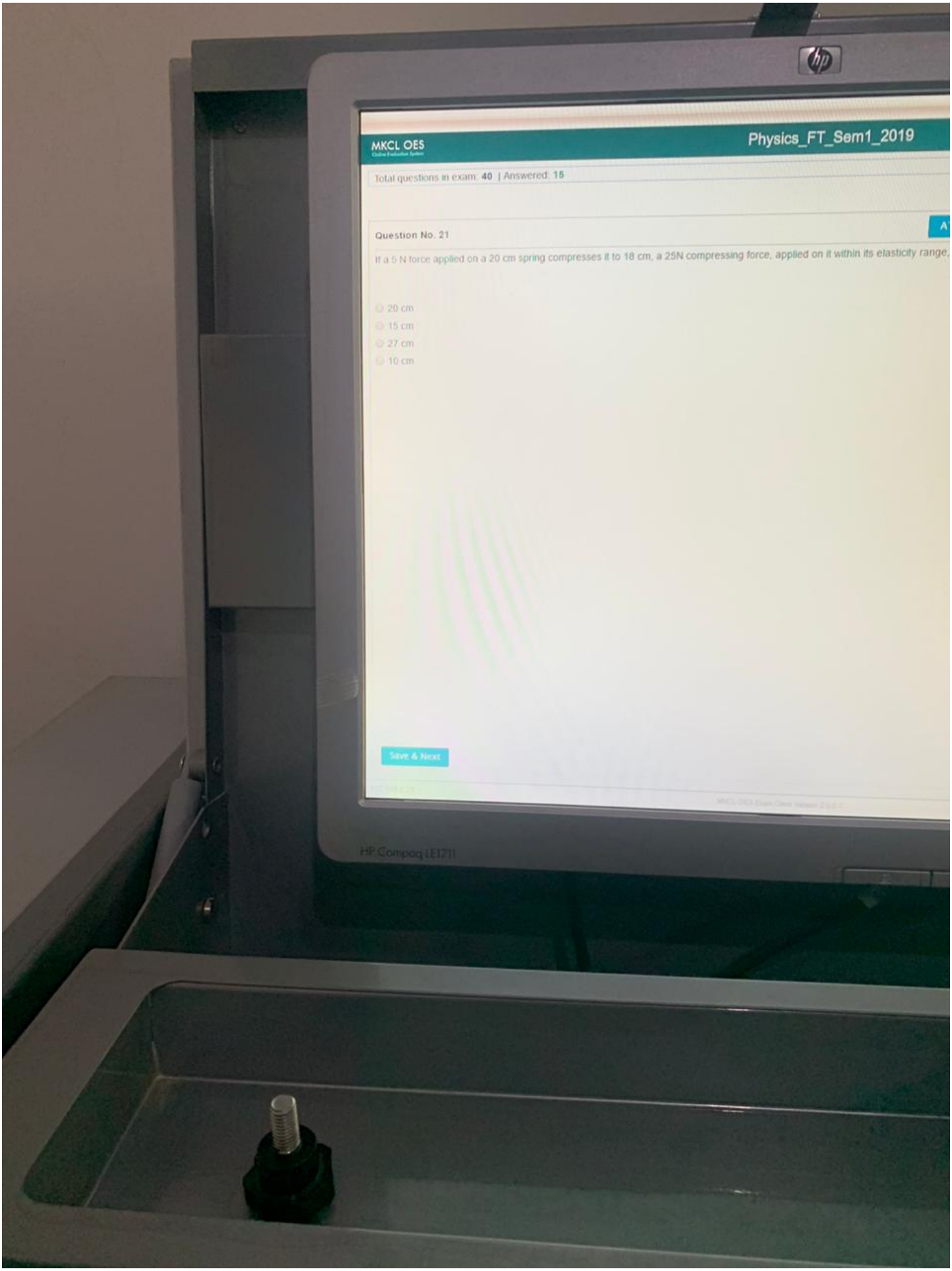
- 10
- 0.5
- 1
- 2

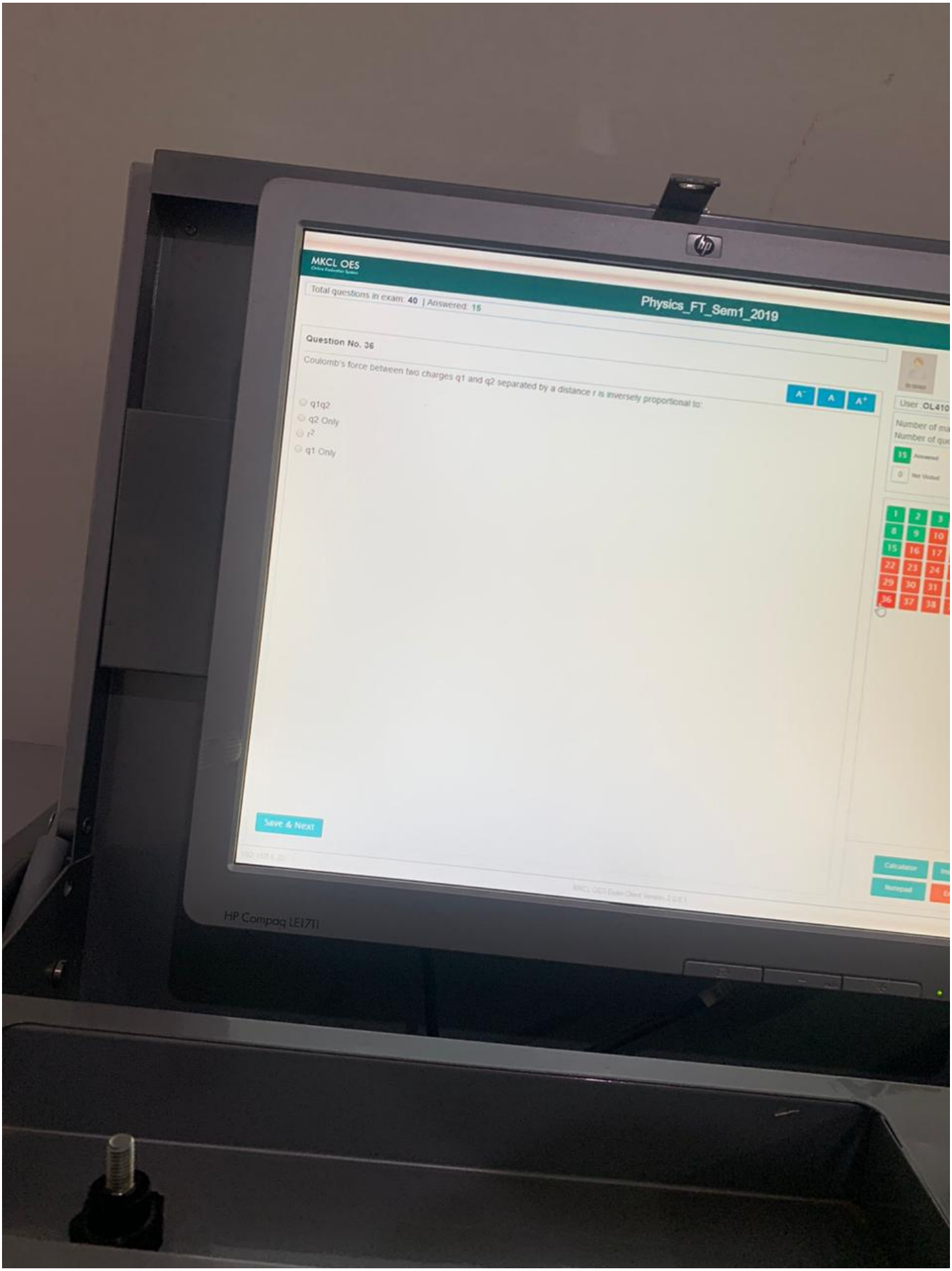
أرسل دردشة

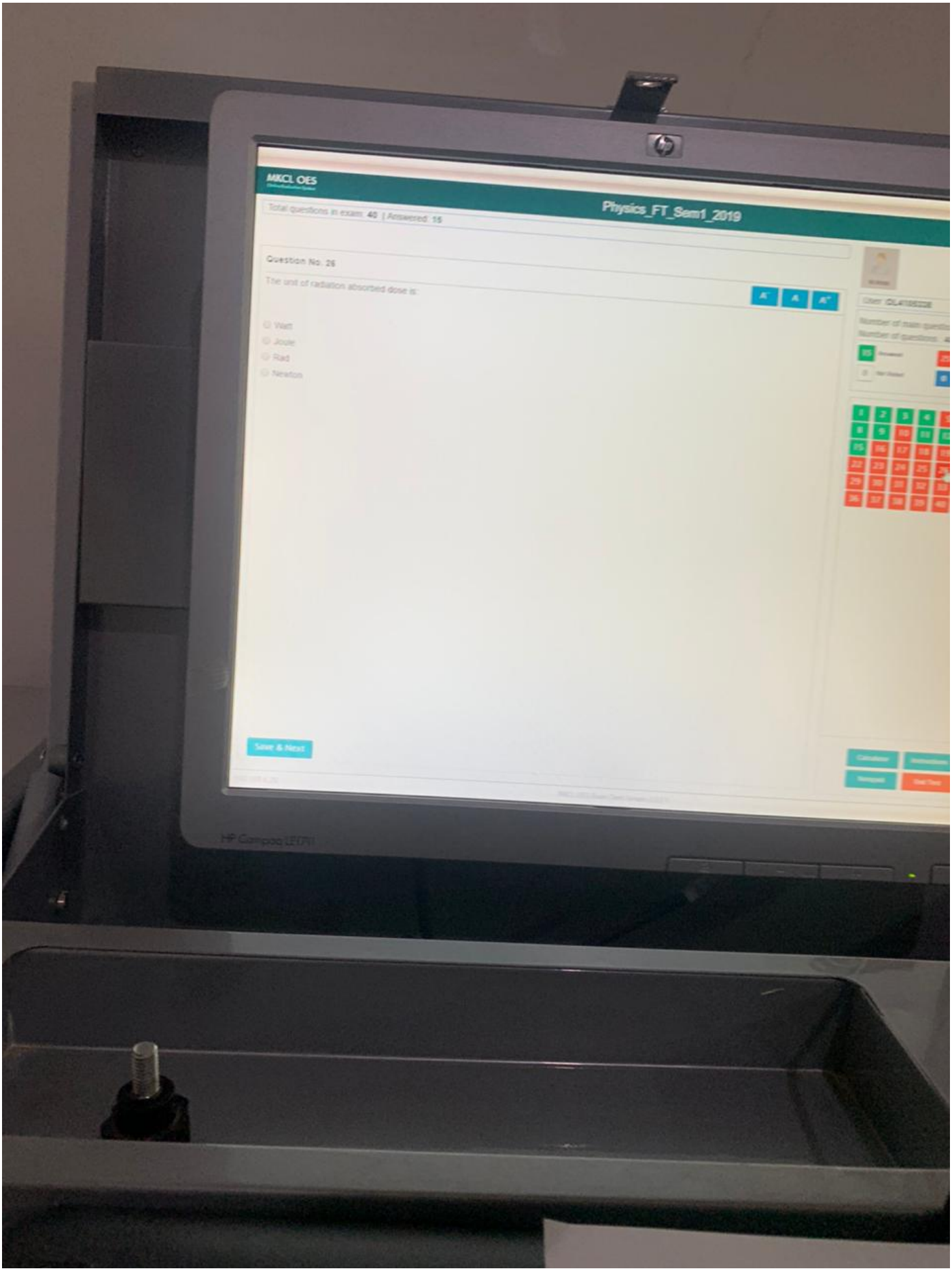

MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 11
Question No. 30
Electromagnetic waves of lower frequency than visible light are:
ultraviolet waves
x-ray waves
infrared waves
gamma rays
Save & Next
Time Remaining
80:04
User: AA4107473
Number of main questions: 40
Number of questions: 40
Calculator
Instructions
Notepad
End Test

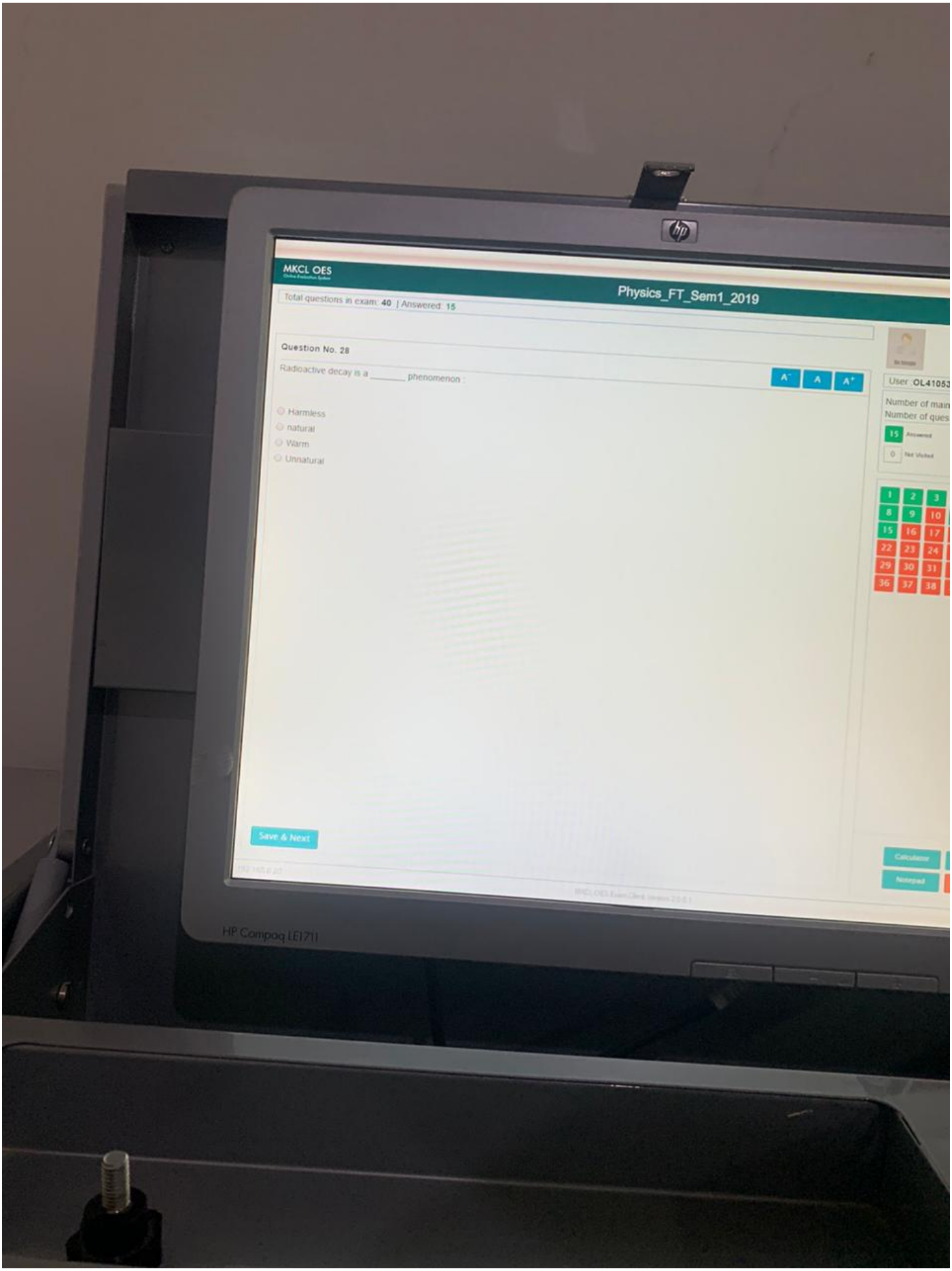

MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 15
Question No. 40
The heat of vaporization of a liquid is the heat that 1kg of the liquid needs to
freeze
change to solid
change to liquid
change to gas
Save & Next
HP Compaq LE1711

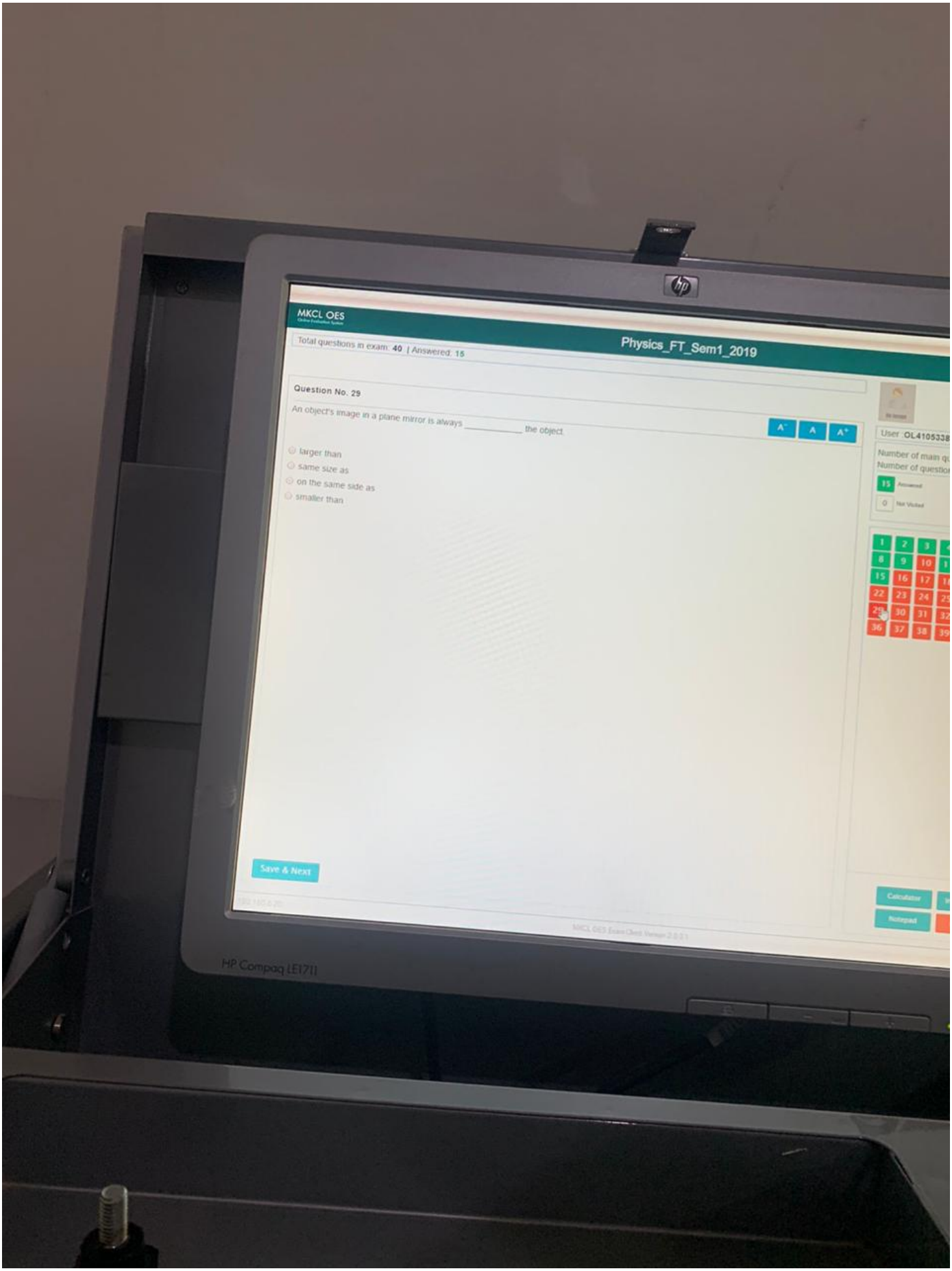

IMCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 15
Question No. 27
5 kg of a liquid absorbs an amount of heat Q= 116 kcal, raising its temperature by ΔT = 40°C. The specific heat c of this liquid is
c = 8 kcal/kg °C
c = 5.8 kcal/kg °C
c = 3 kcal/kg °C
c = 0.58 kcal/kg °C
Save & Next

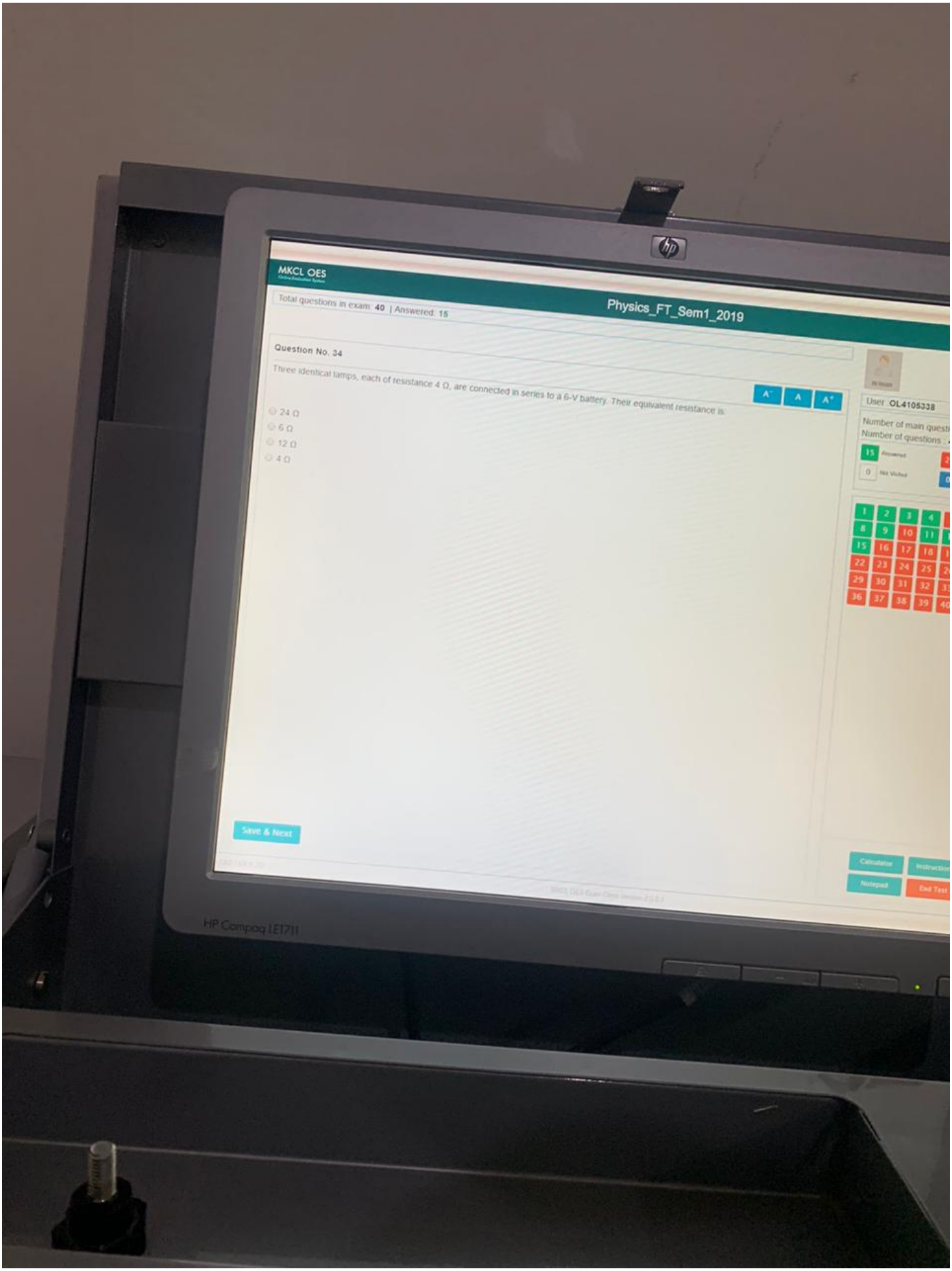

MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 15
Question No. 21
If a 5 N force applied on a 20 cm spring compresses it to 18 cm, a 25N compressing force, applied on it within its elasticity range,
20 cm
15 cm
27 cm
10 cm
Save & Next
HP Compaq LE1711

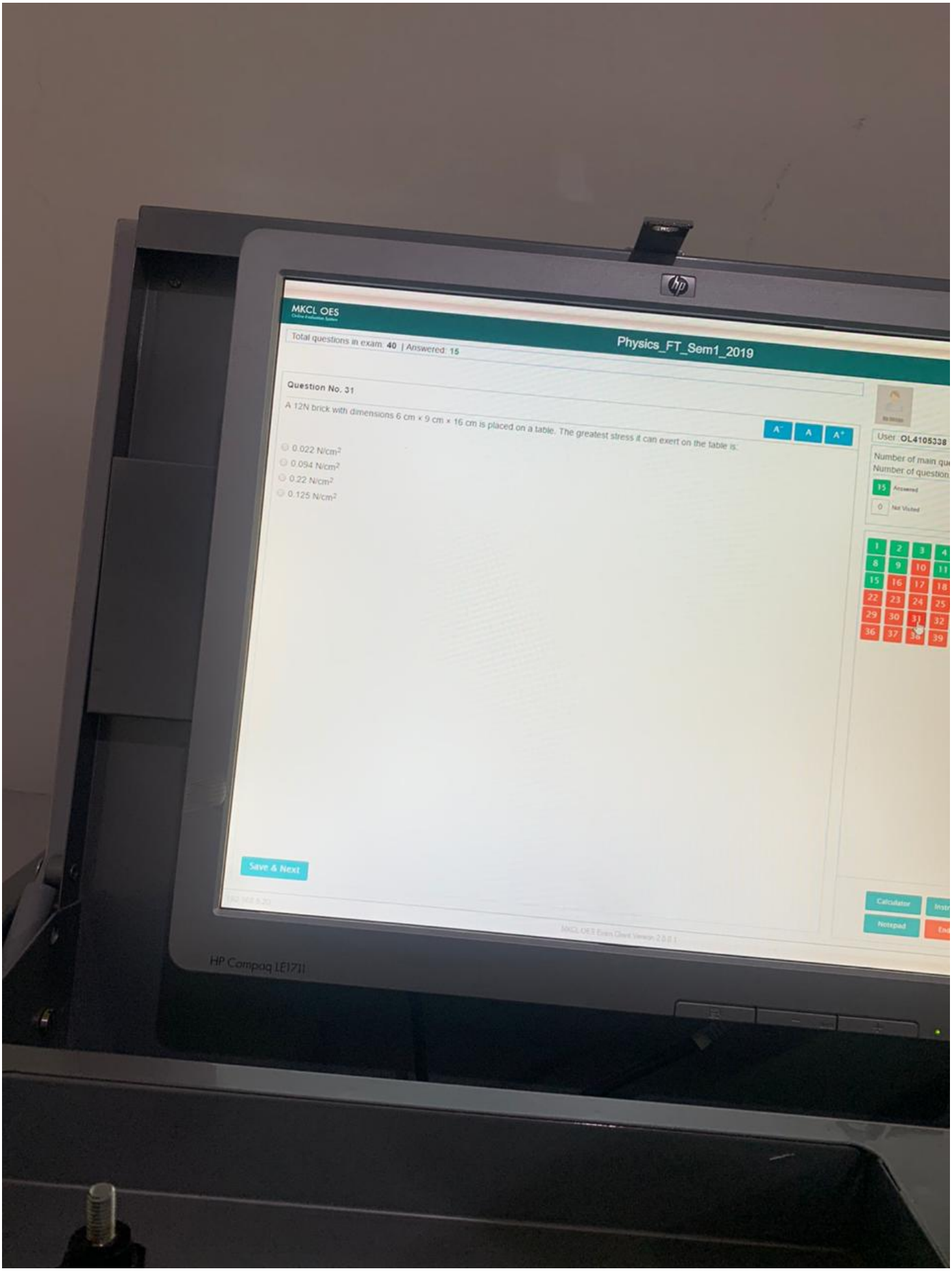

MKCL OES
Total questions in exam: 40 | Answered: 15
Physics_FT_Sem1_2019
Question No. 36
Coulomb's force between two charges q1 and q2 separated by a distance r is inversely proportional to:
q1q2
q2 Only
r²
q1 Only
Save & Next
HP Compaq LE1711

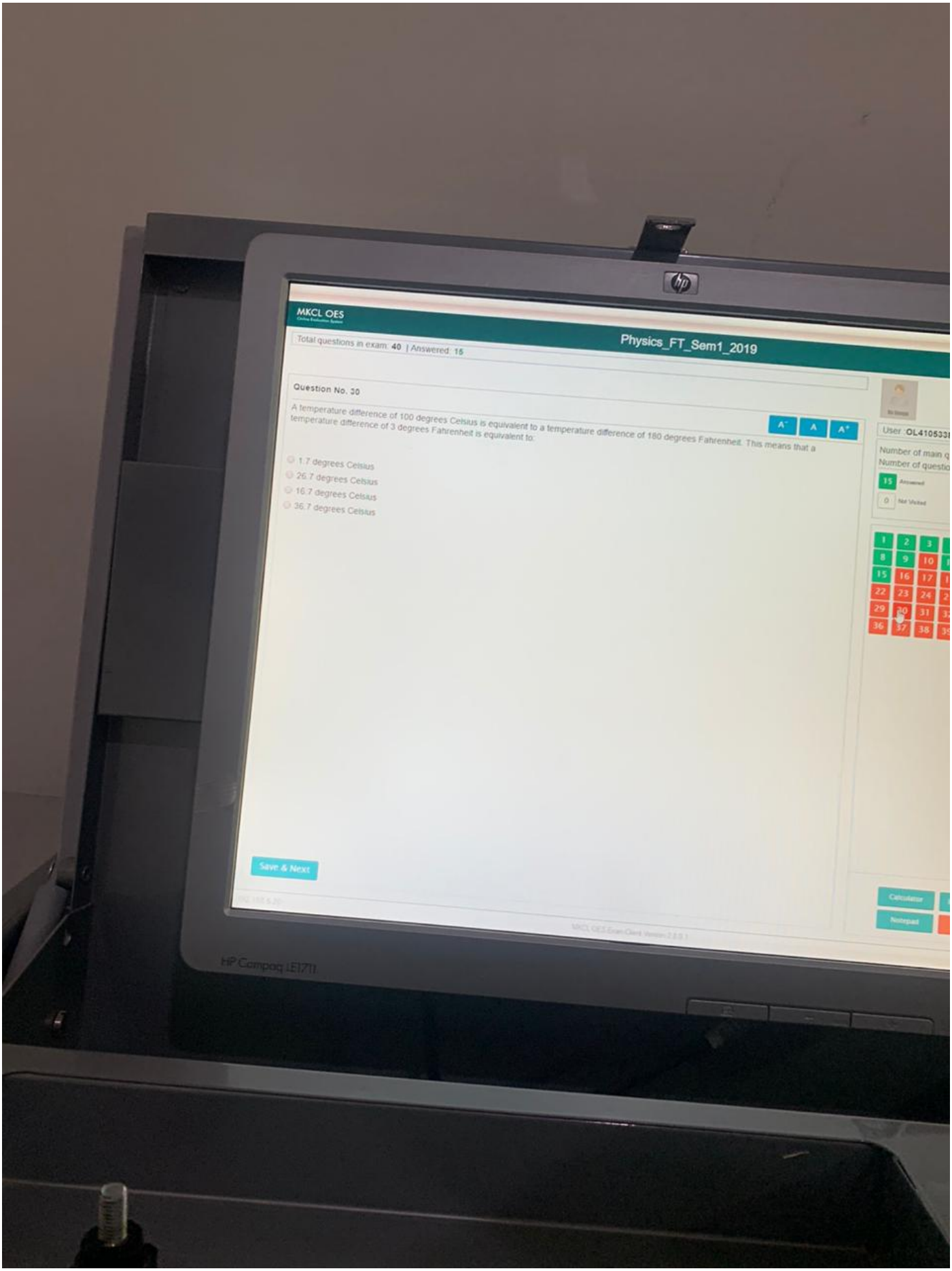

MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 16
Question No: 26
The unit of radiation absorbed dose is:
Watt
Joule
Rad
Newton
Save & Next

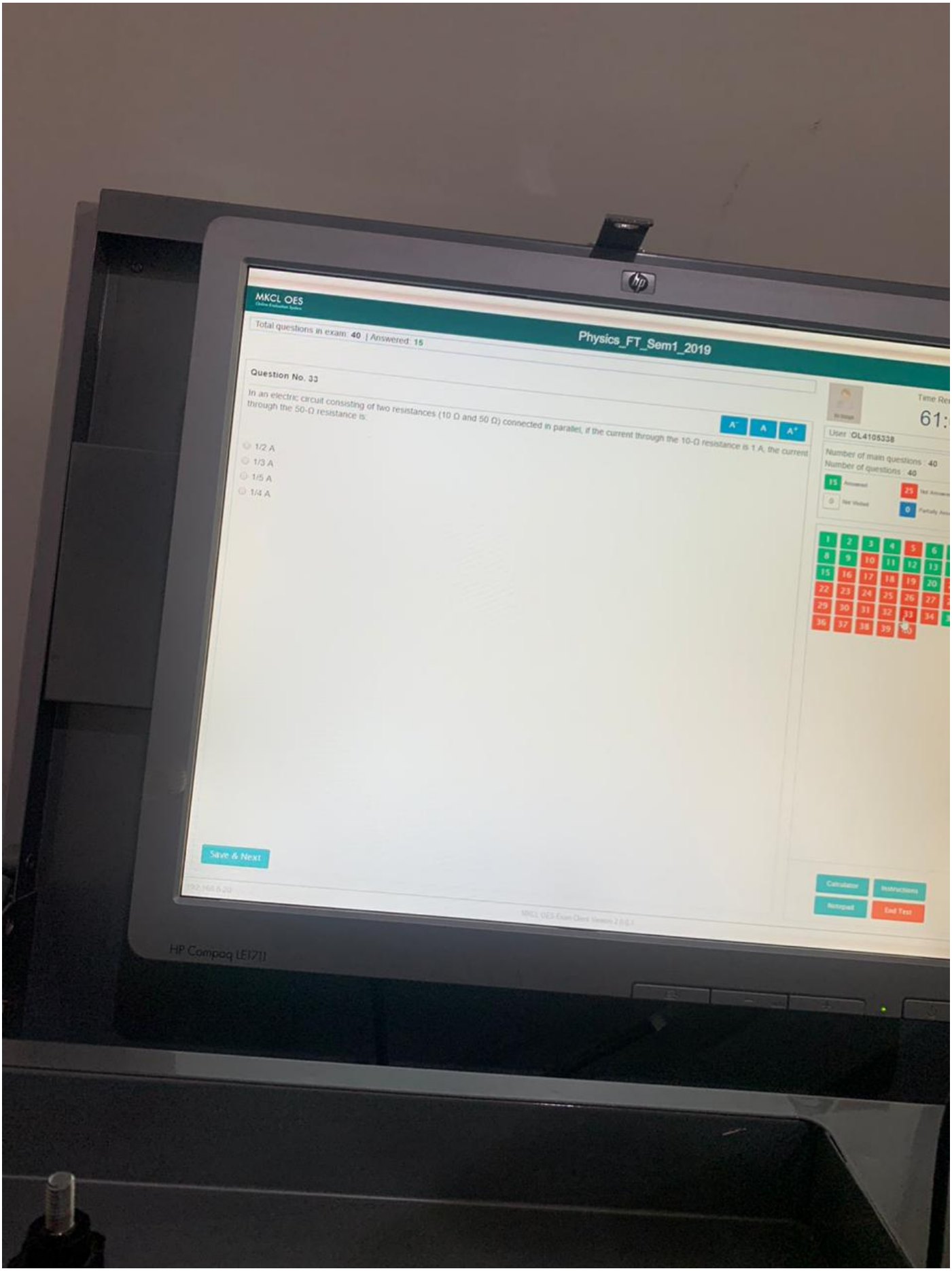

MKCL QES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 15
Question No. 28
Radioactive decay is a _____ phenomenon :
Harmless
natural
Warm
Unnatural
Save & Next
HP Compaq LE1711

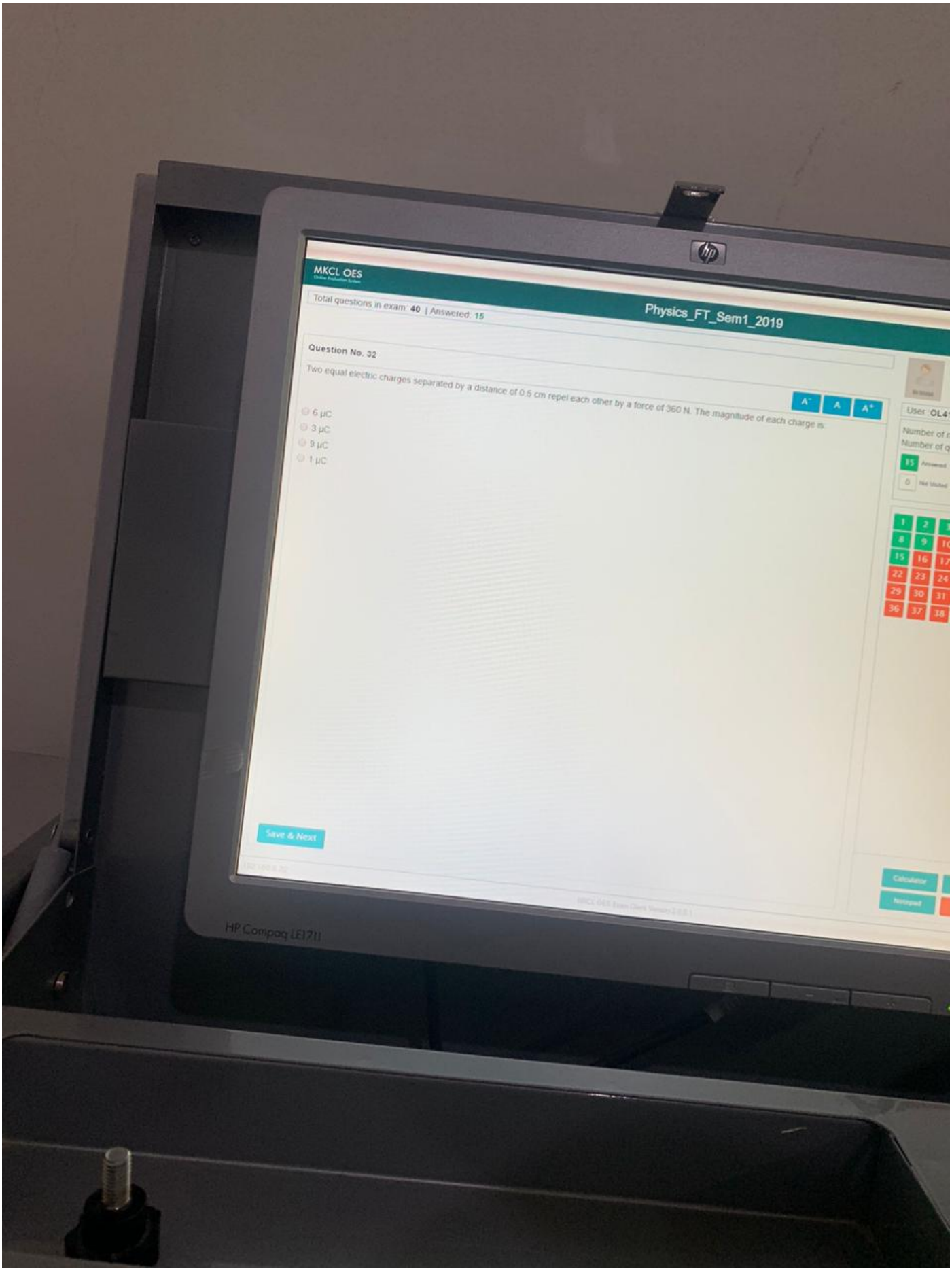

MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 15
Question No. 29
An object's image in a plane mirror is always _____ the object.
larger than
same size as
on the same side as
smaller than
Save & Next
HP Compaq LE1711

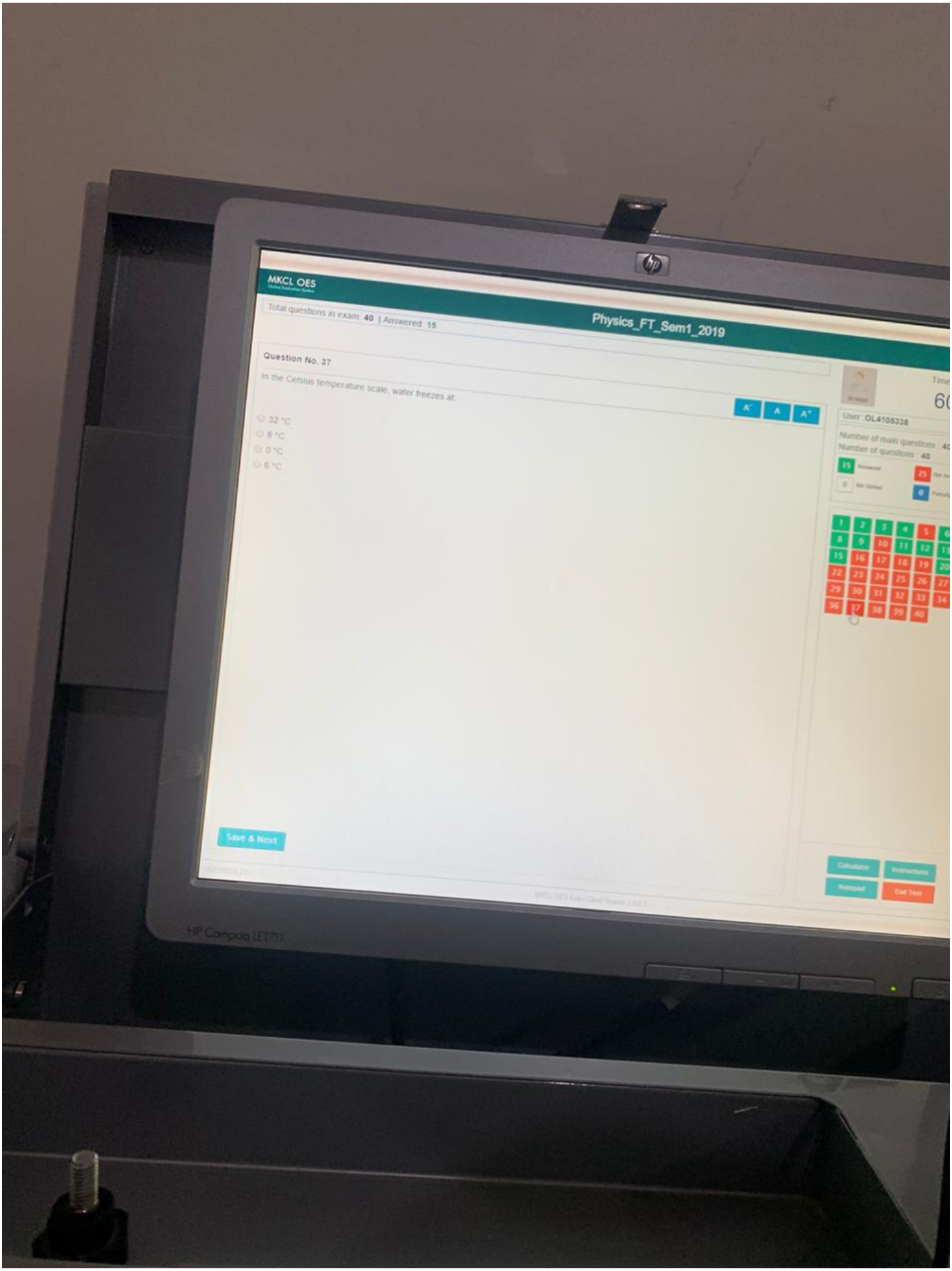

MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 15
Question No. 34
Three identical lamps, each of resistance 4 Ω, are connected in series to a 6-V battery. Their equivalent resistance is
24 Ω
6 Ω
12 Ω
4 Ω
User: OL4105338
Save & Next
HP Compaq LE1711

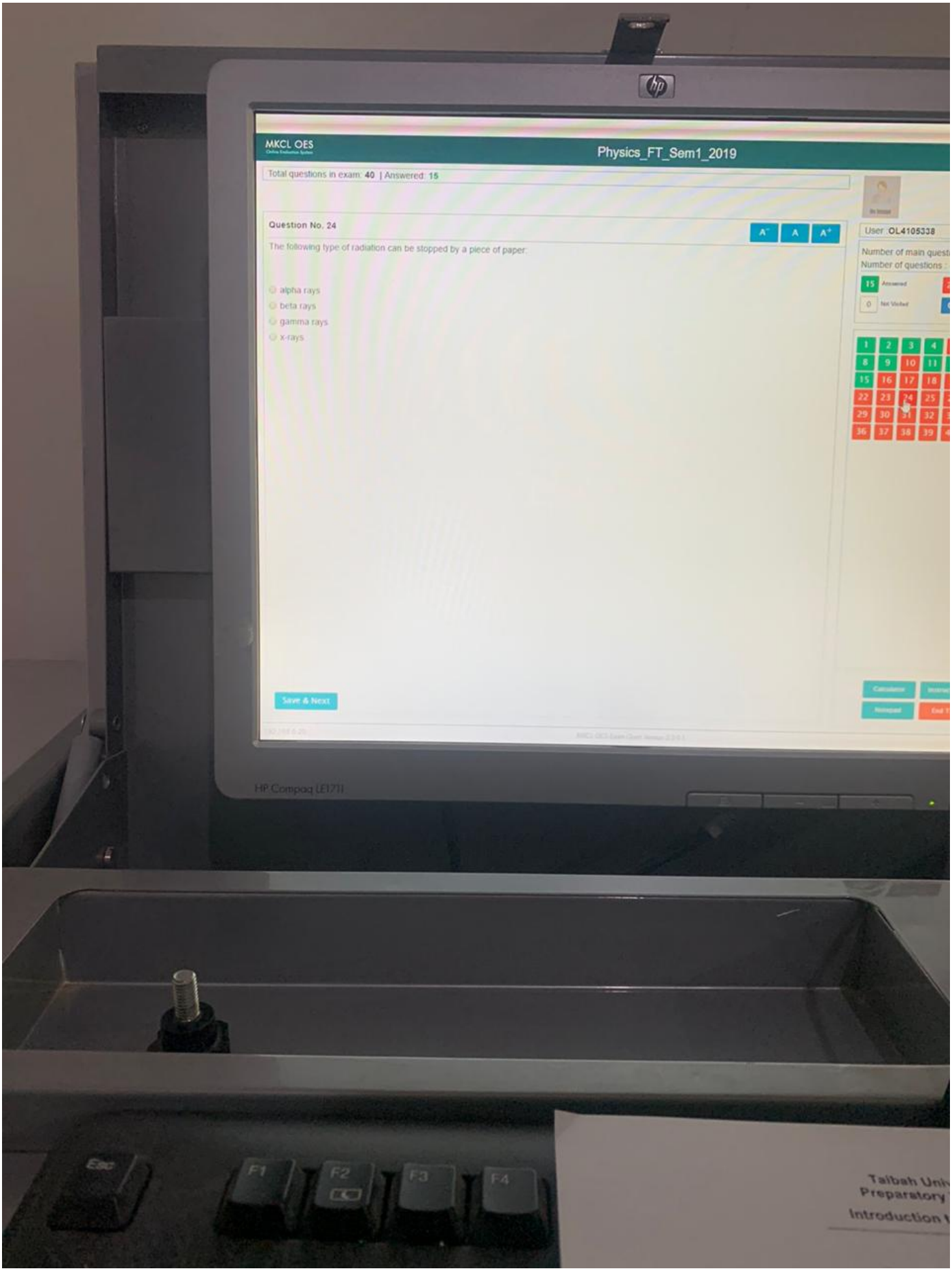

MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 15
Question No. 31
A 12N brick with dimensions 6 cm × 9 cm × 16 cm is placed on a table. The greatest stress it can exert on the table is:
0.022 N/cm²
0.094 N/cm²
0.22 N/cm²
0.125 N/cm²
Save & Next
Calculator
Notepad
HP Compaq LE1711

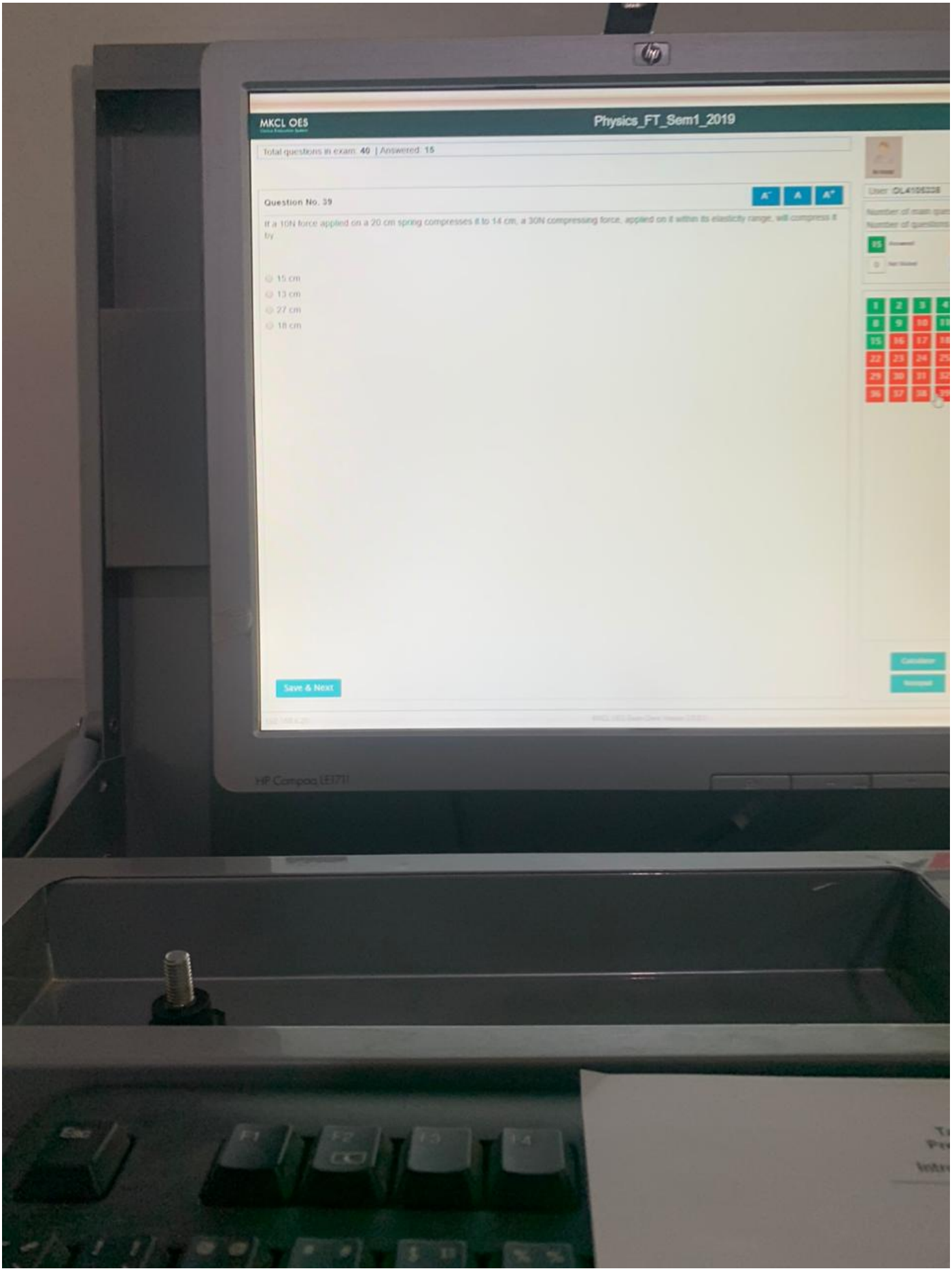

MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 15
Question No. 30
A temperature difference of 100 degrees Celsius is equivalent to a temperature difference of 180 degrees Fahrenheit. This means that a temperature difference of 3 degrees Fahrenheit is equivalent to:
1.7 degrees Celsius
26.7 degrees Celsius
16.7 degrees Celsius
36.7 degrees Celsius
Save & Next
Calculator
Notepad
HP Compaq LE1711

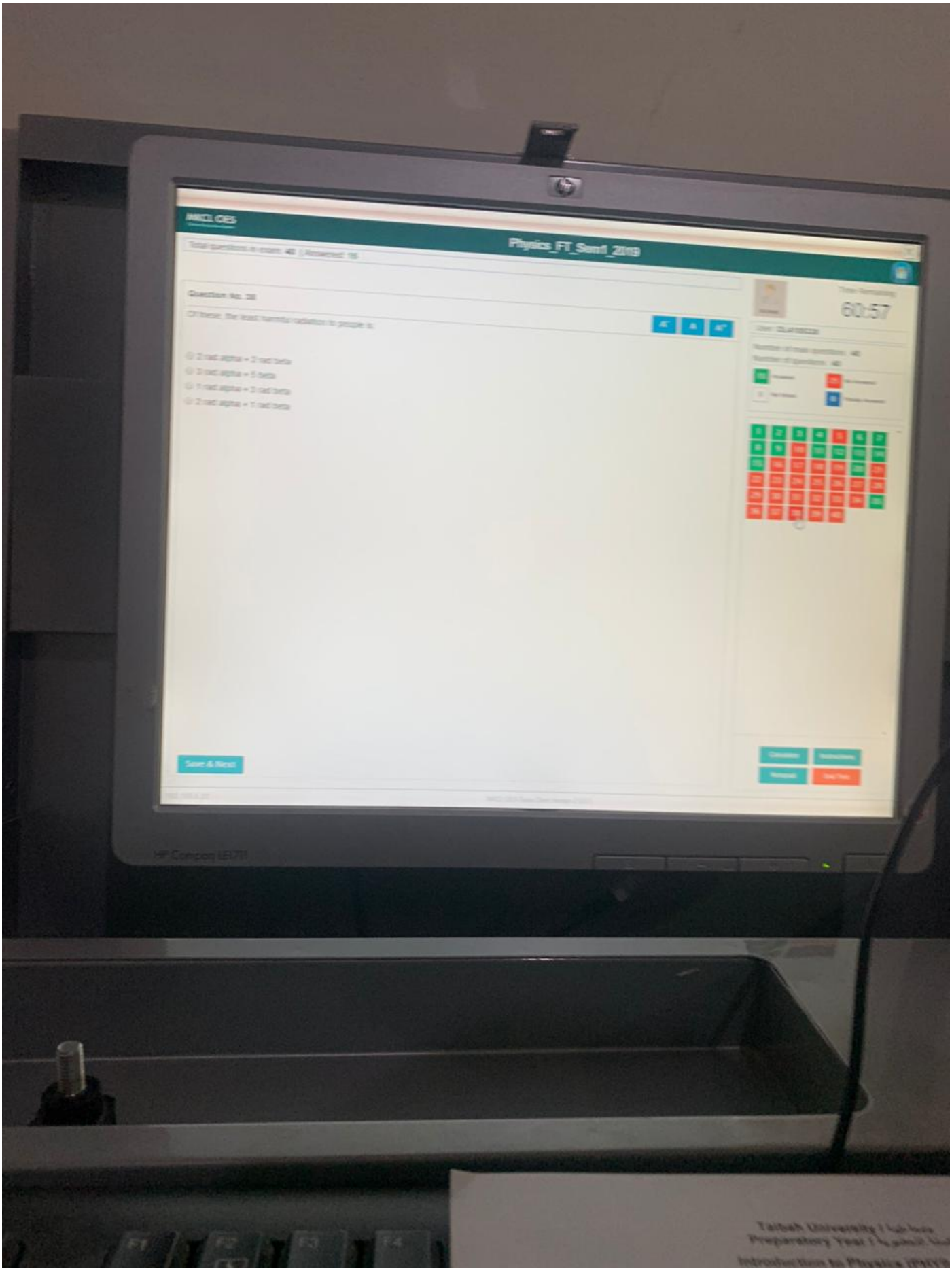

MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 15
Question No. 33
In an electric circuit consisting of two resistances (10 Ω and 50 Ω) connected in parallel, if the current through the 10-Ω resistance is 1 A, the current through the 50-Ω resistance is:
1/2 A
1/3 A
1/5 A
1/4 A
Save & Next
User : OL4105338
Number of main questions : 40
Number of questions : 40
Calculator
Instructions
Notepad
End Test
HP Compaq LE1711


MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 15
Question No. 32
Two equal electric charges separated by a distance of 0.5 cm repel each other by a force of 360 N. The magnitude of each charge is
6 μC
3 μC
9 μC
1 μC
Save & Next
HP Compaq LE1711


MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 15
Question No. 37
In the Celsius temperature scale, water freezes at:
32 °C
8 °C
0 °C
6 °C
Save & Next
HP Compaq LE1711


MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 15
Question No. 24
The following type of radiation can be stopped by a piece of paper:
alpha rays
beta rays
gamma rays
x-rays
Save & Next
User :OL4105338
HP Compaq LE1711
Esc
F1
F2
F3
F4


MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 15
Question No. 39
If a 10N force applied on a 20 cm spring compresses it to 14 cm, a 30N compressing force, applied on it within its elasticity range, will compress it by
15 cm
13 cm
27 cm
18 cm
Save & Next
HP Compaq


Physics_FT_Sem1_2019
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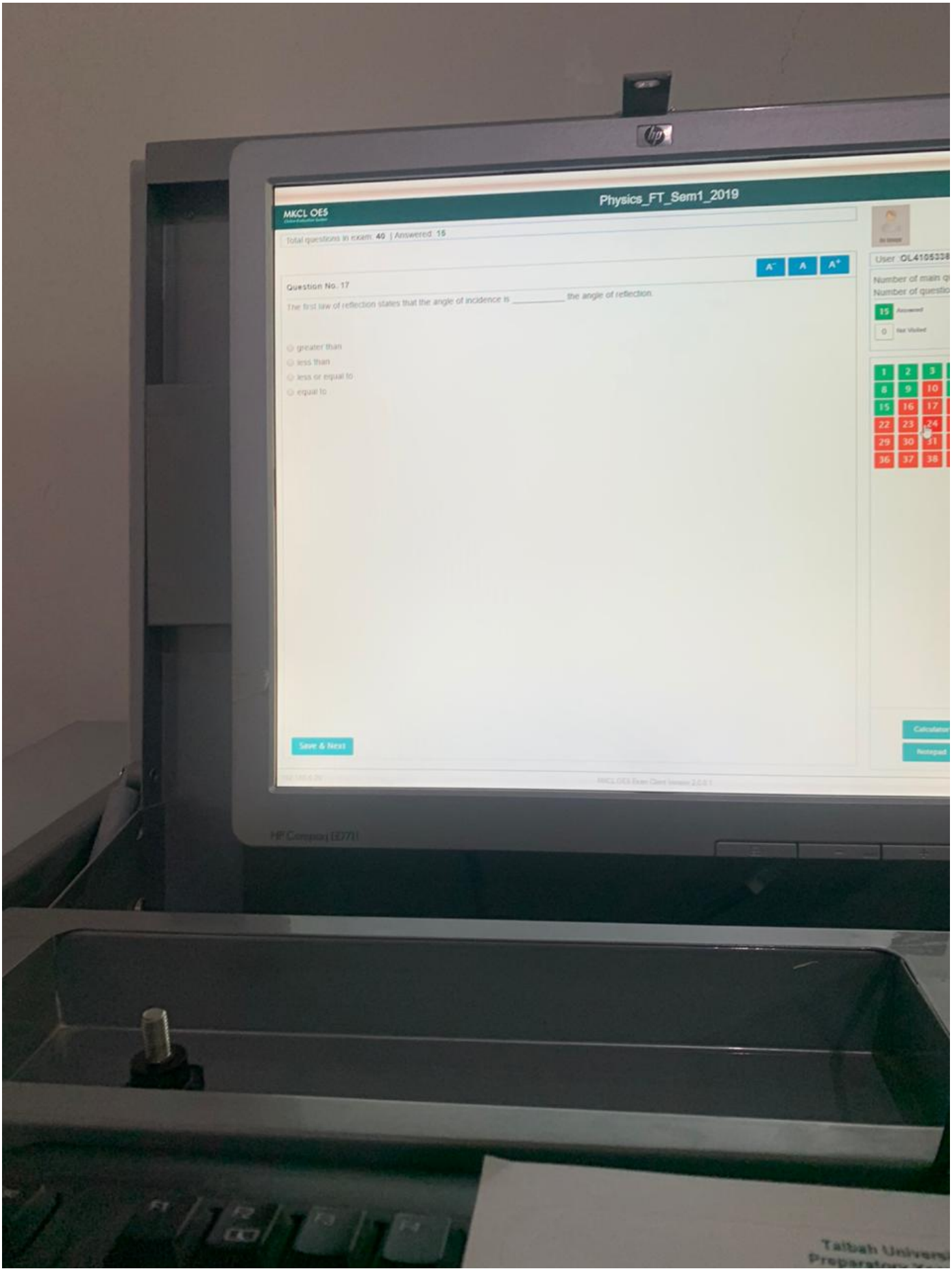
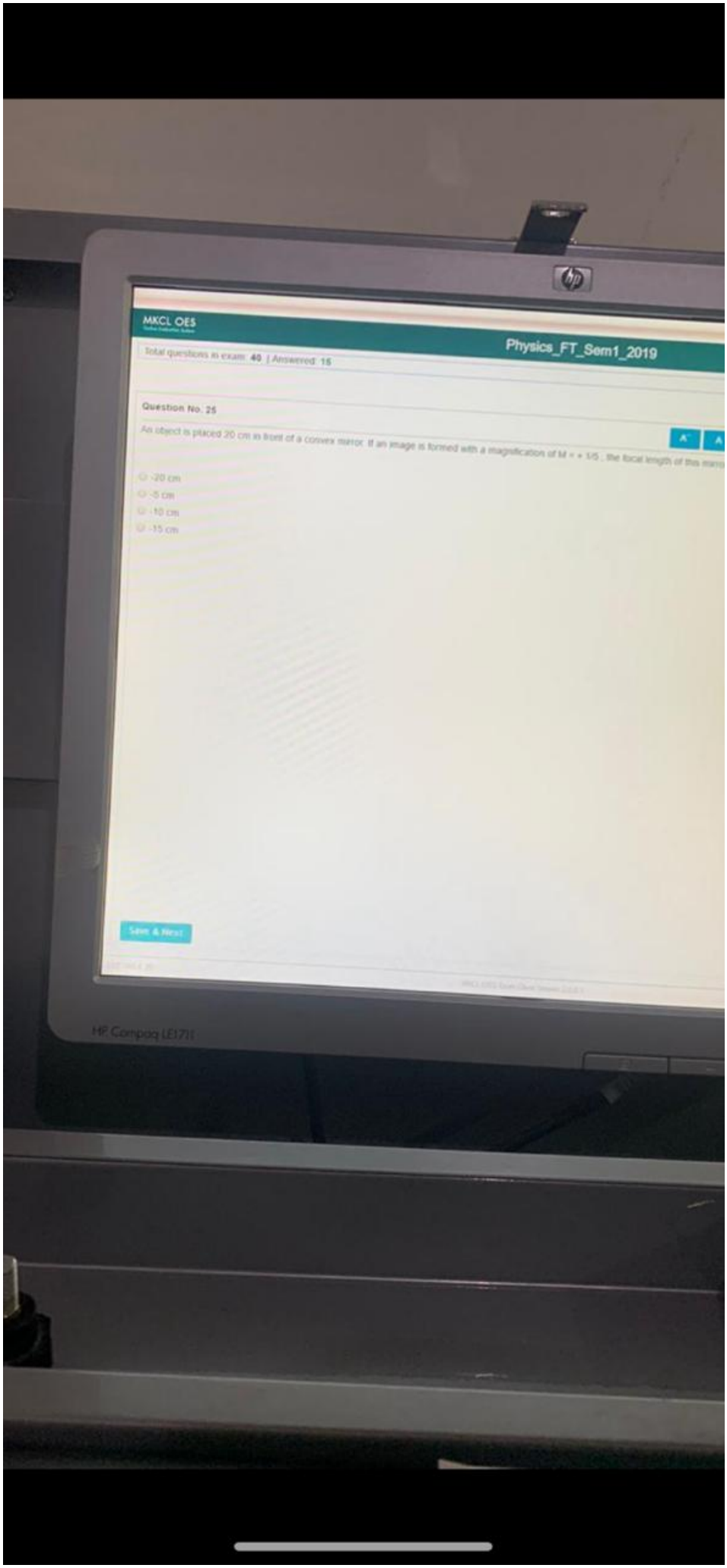
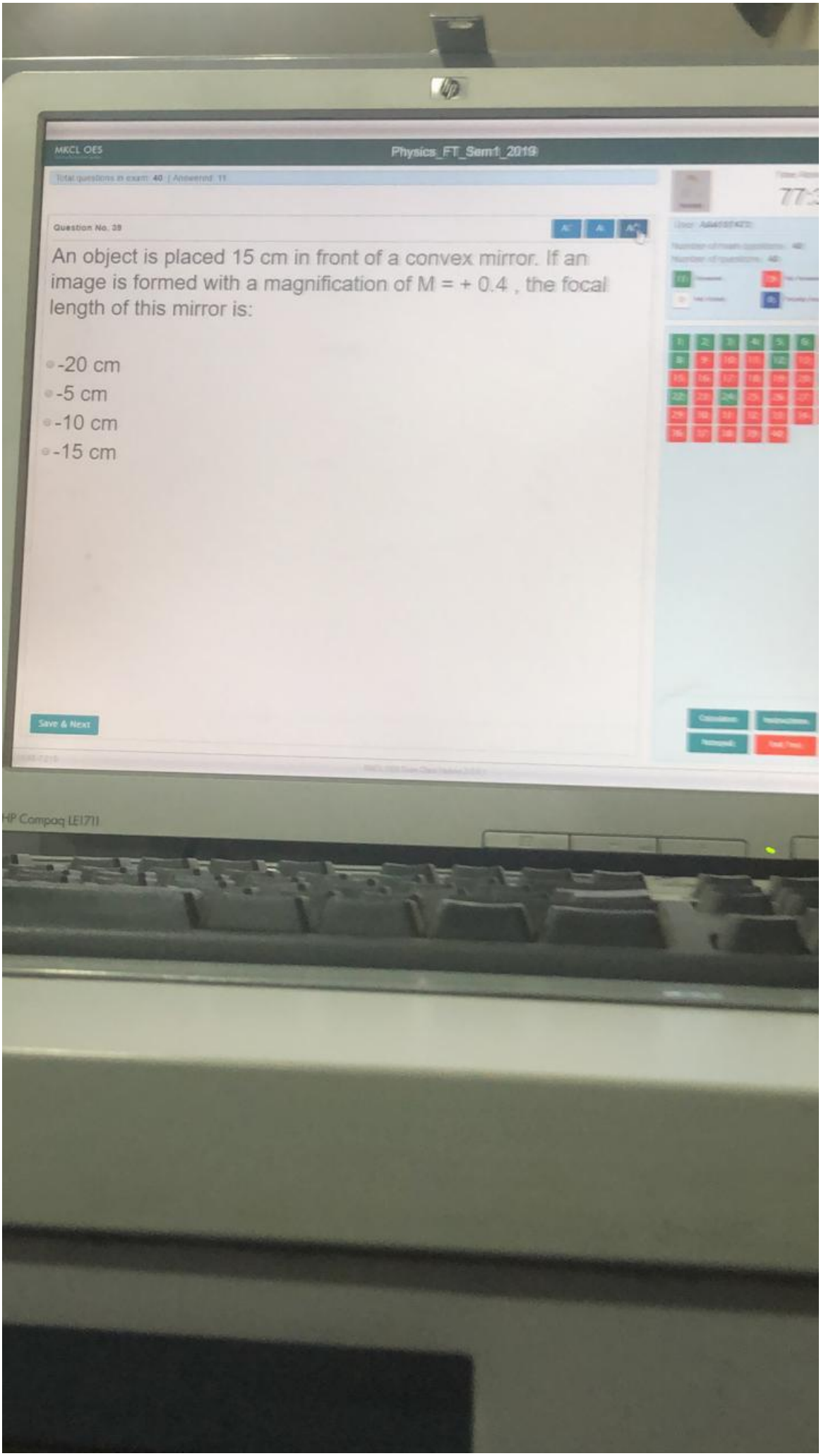
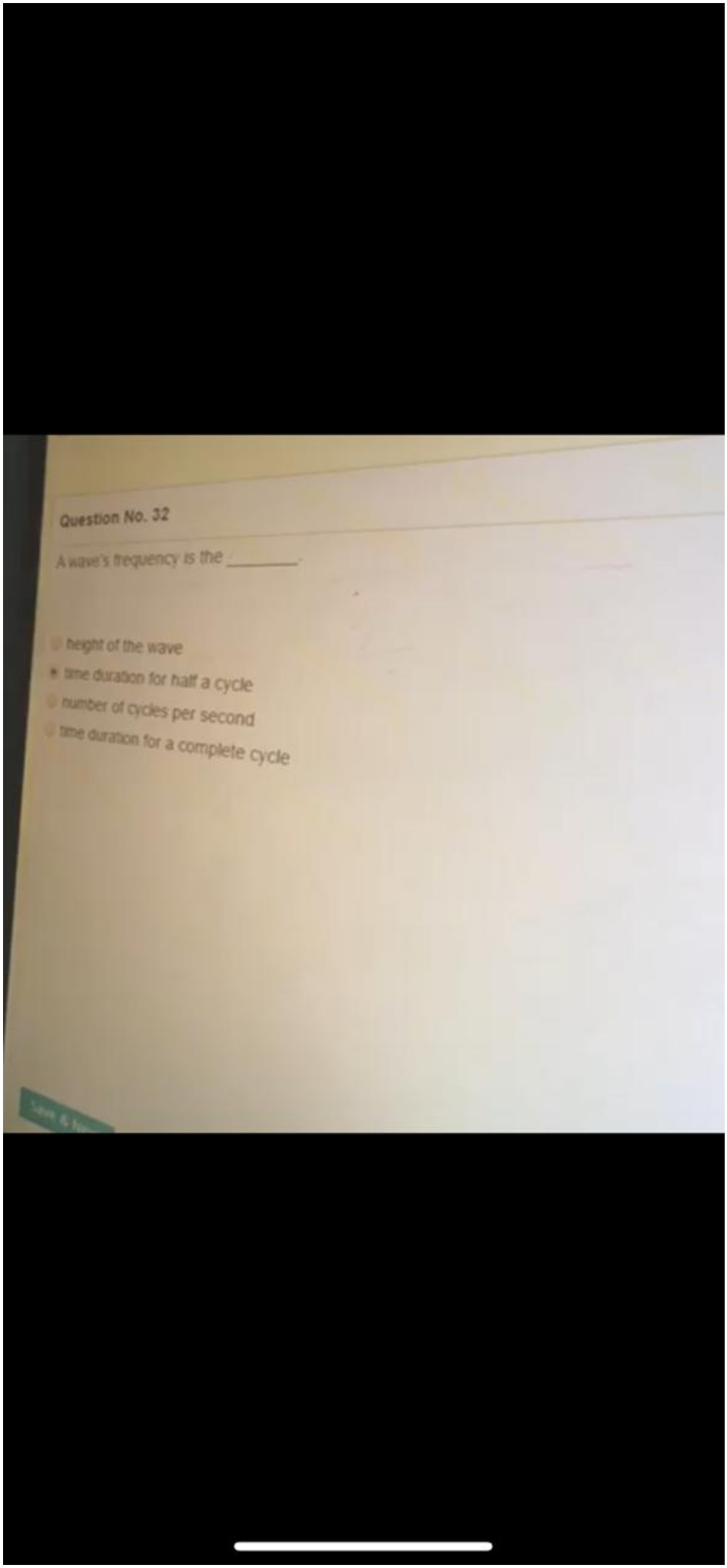
Save & Next


MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 15
Question No. 17
The first law of reflection states that the angle of incidence is _____ the angle of reflection.
greater than
less than
less or equal to
equal to
Save & Next
Calculator
Notepad


MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 15
Question No. 25
An object is placed 20 cm in front of a convex mirror. If an image is formed with a magnification of M = + 1/5 , the focal length of this mirro
-20 cm
-5 cm
-10 cm
-15 cm
Save & Next
HP Compaq LE1711


MKCL OES
Physics_FT_Sem1_2019
Question No. 39
An object is placed 15 cm in front of a convex mirror. If an image is formed with a magnification of M = + 0.4 , the focal length of this mirror is:
-20 cm
-5 cm
-10 cm
-15 cm
Save & Next
HP Compaq LE1711


Question No. 32
A wave's frequency is the _____.
height of the wave
time duration for half a cycle
number of cycles per second
time duration for a complete cycle

Question No. 40

If an object is placed inside the focal point of a concave mirror, its imag

- virtual and smaller
- virtual and larger
- erect and real
- erect and smaller

Save & Next

Question No. 33

An isotope has a half-life of 30 months. If the initial amount is 100 units, t
remaining at the end of 30 month will be

50

75

zero

25

MKCL OES

Physics_FT_Sem1_2019

Total questions in exam: **40** | Answered: **0**

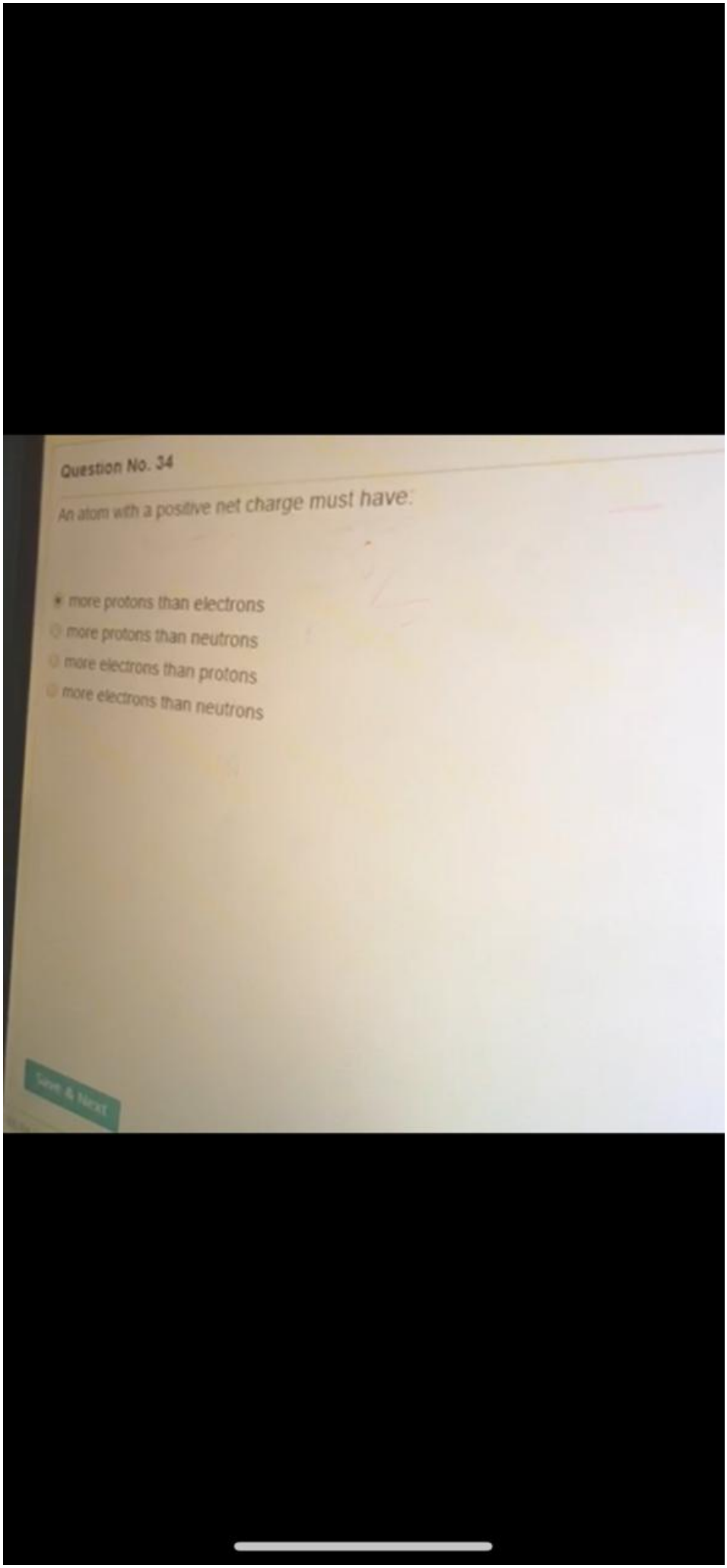
A⁻ A

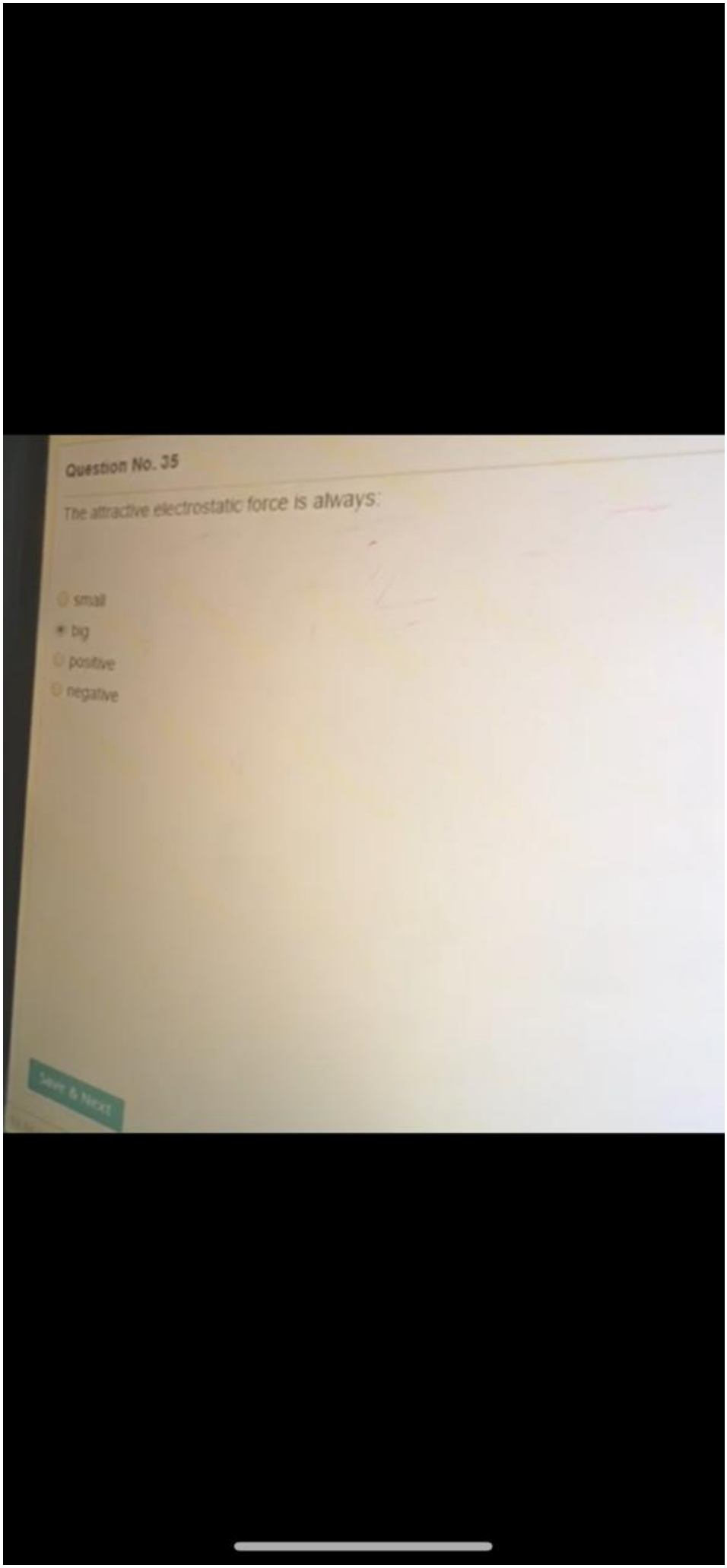
Question No. 2

Three identical lamps, each of resistance 4 Ω, are connected in series to a 6-V battery. The potential difference across each lamp is:

- 4 V
- 2 V
- 6 V
- 12 V

Save & Next


Question No. 34
An atom with a positive net charge must have:
more protons than electrons
more protons than neutrons
more electrons than protons
more electrons than neutrons
Save & Next

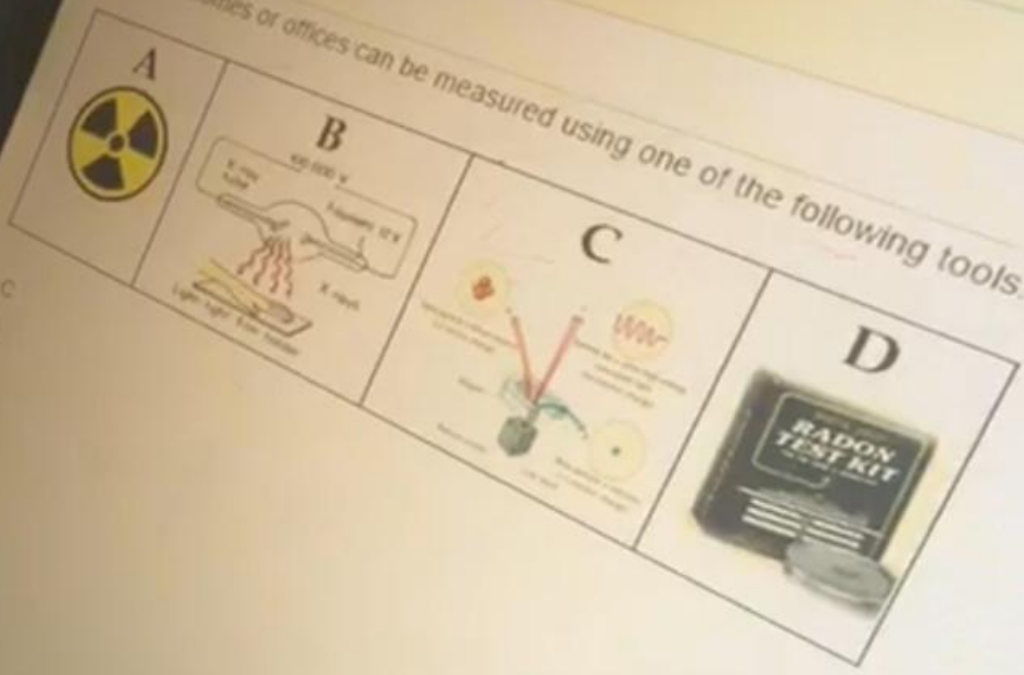

Question No. 35
The attractive electrostatic force is always:
small
big
positive
negative
Save & Next

questions in exam: 40 | Answered: 40

Phy

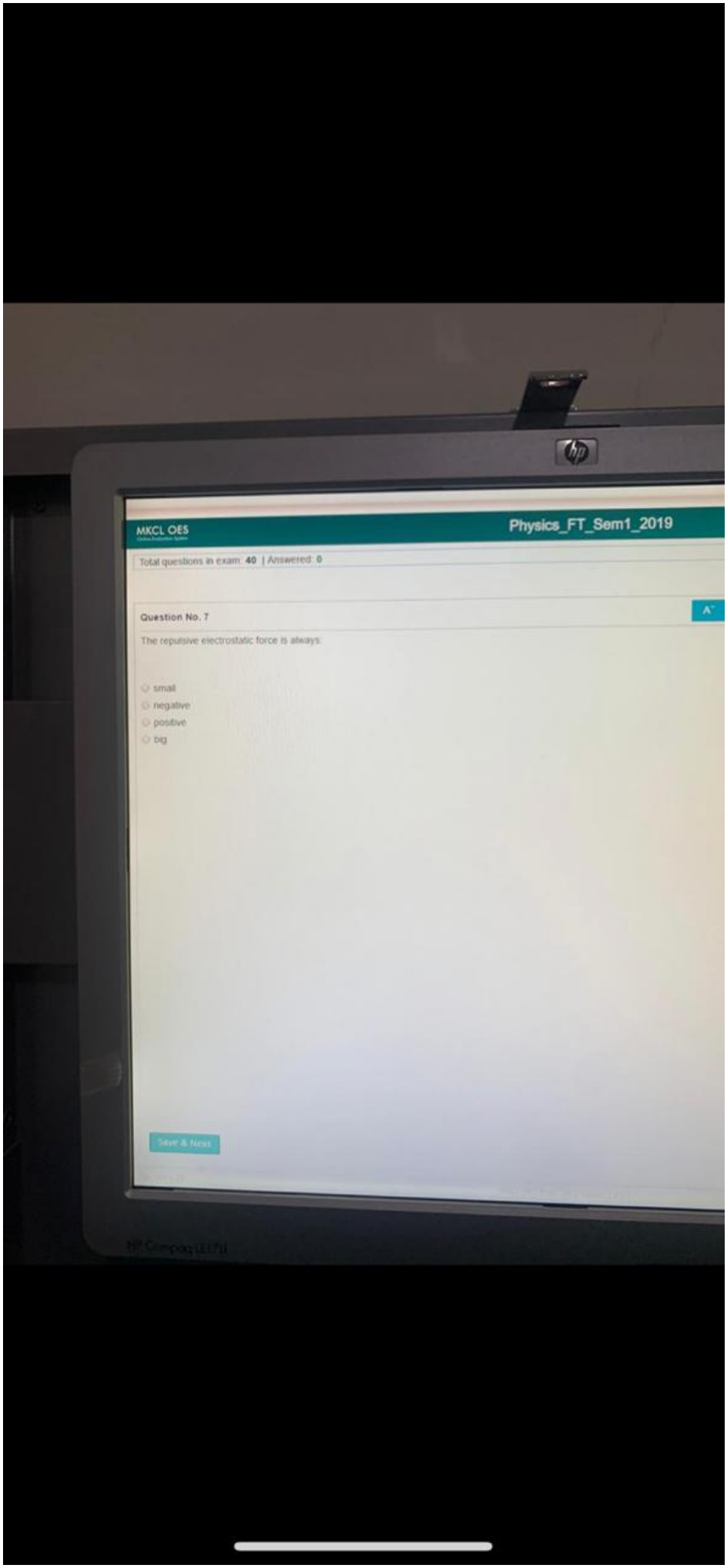
Question No. 12

Radon in homes or offices can be measured using one of the following tools:



C
D
A
B

MKCL OES Exam Client Version 2001


MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 0
Question No. 7
A
The repulsive electrostatic force is always:
small
negative
positive
big
Save & Next

MKCL OES

Physics_FT_Sem1_2019

Total questions in exam: **40** | Answered: **40**

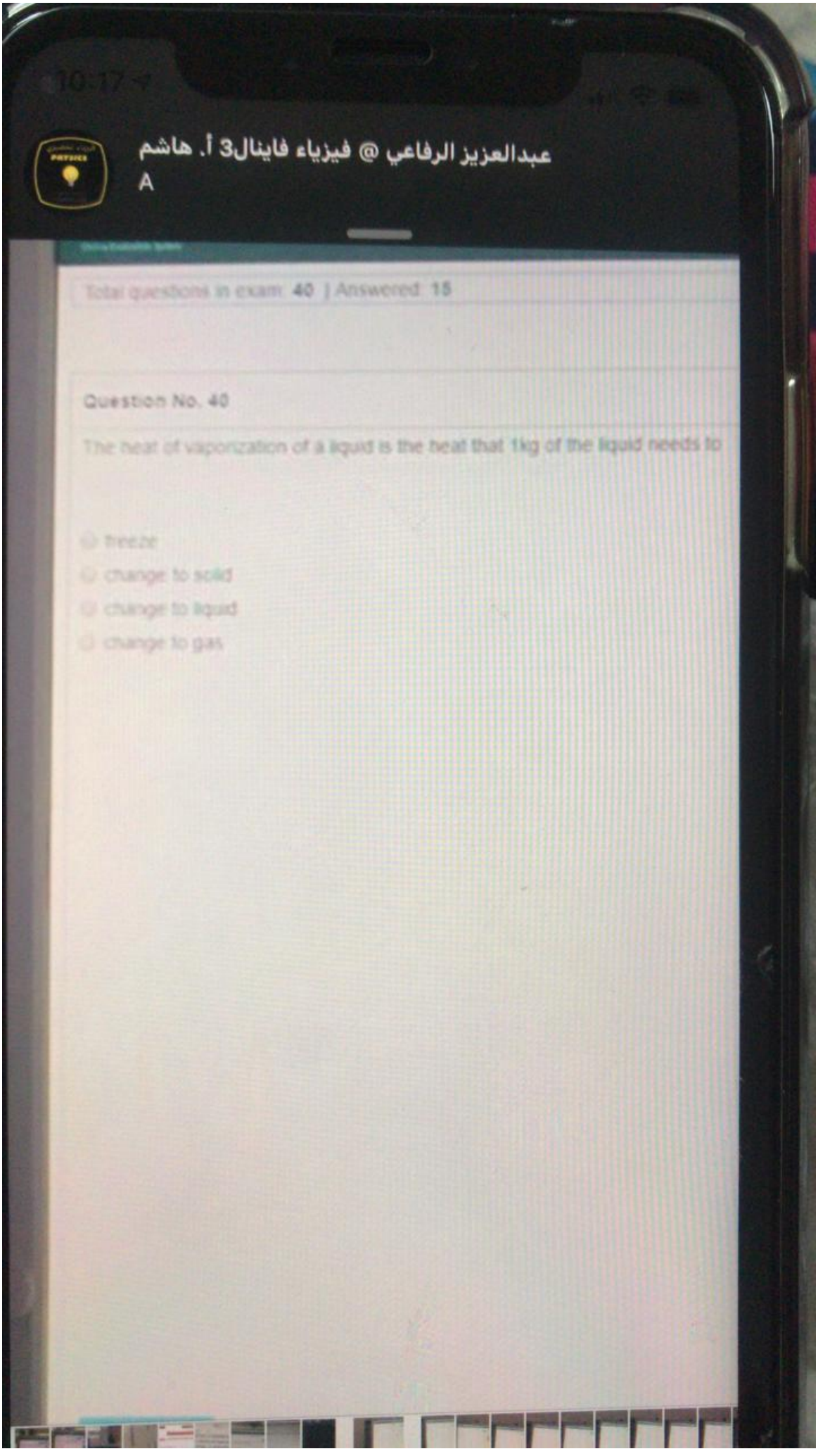
Question No. 40

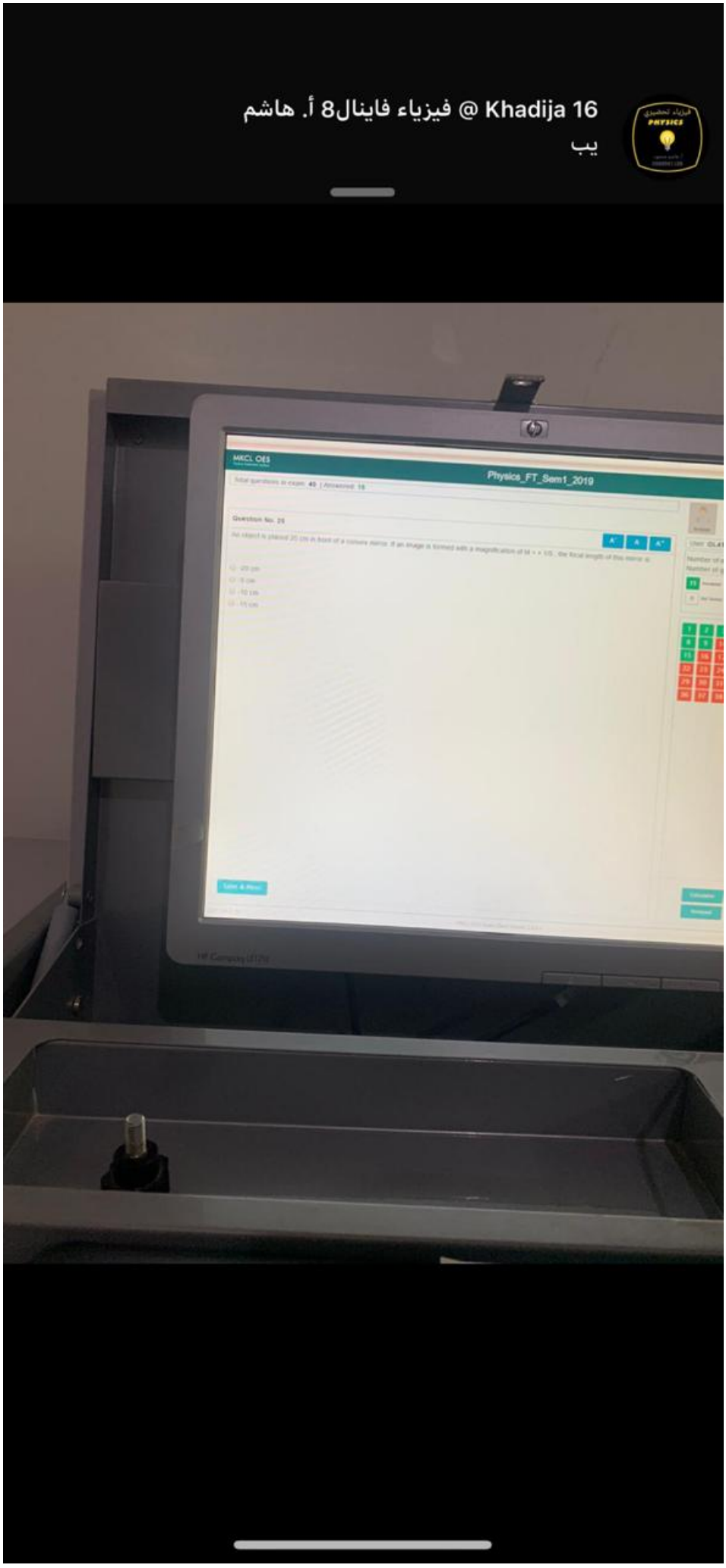
A⁻ A A⁺

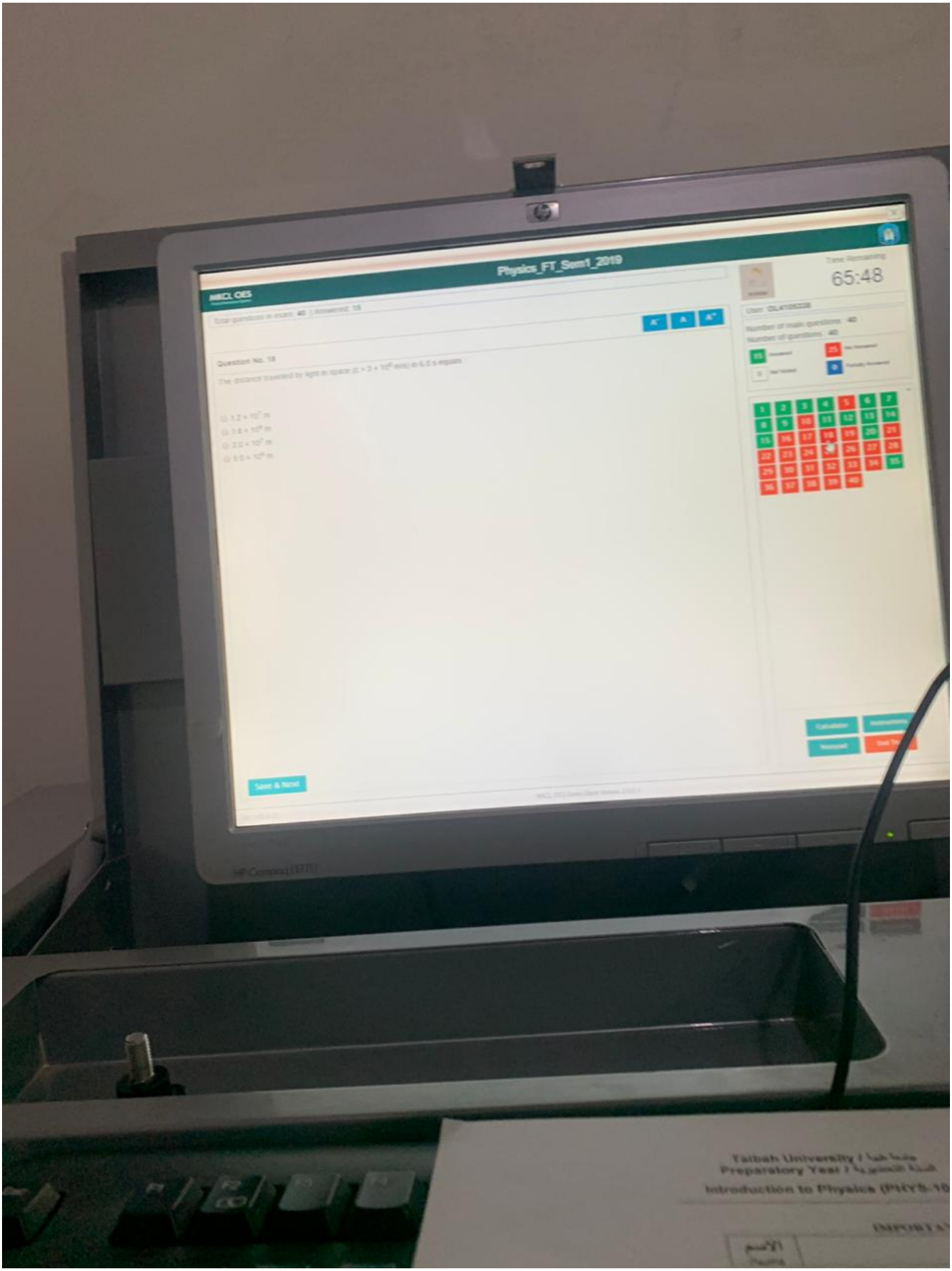
In the Kelvin temperature scale, water boils at:

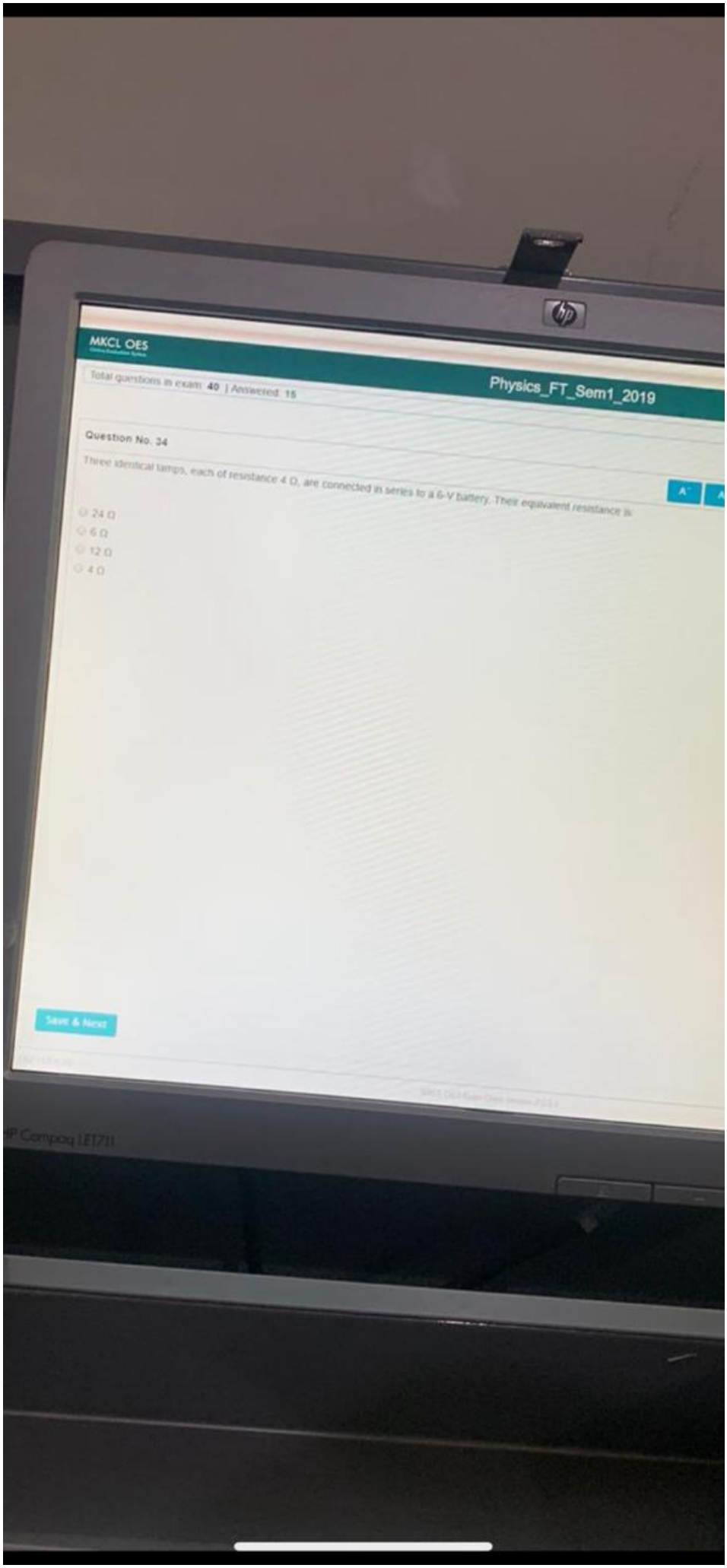
- 100 K
- 0 K
- 212 K
- 373 K

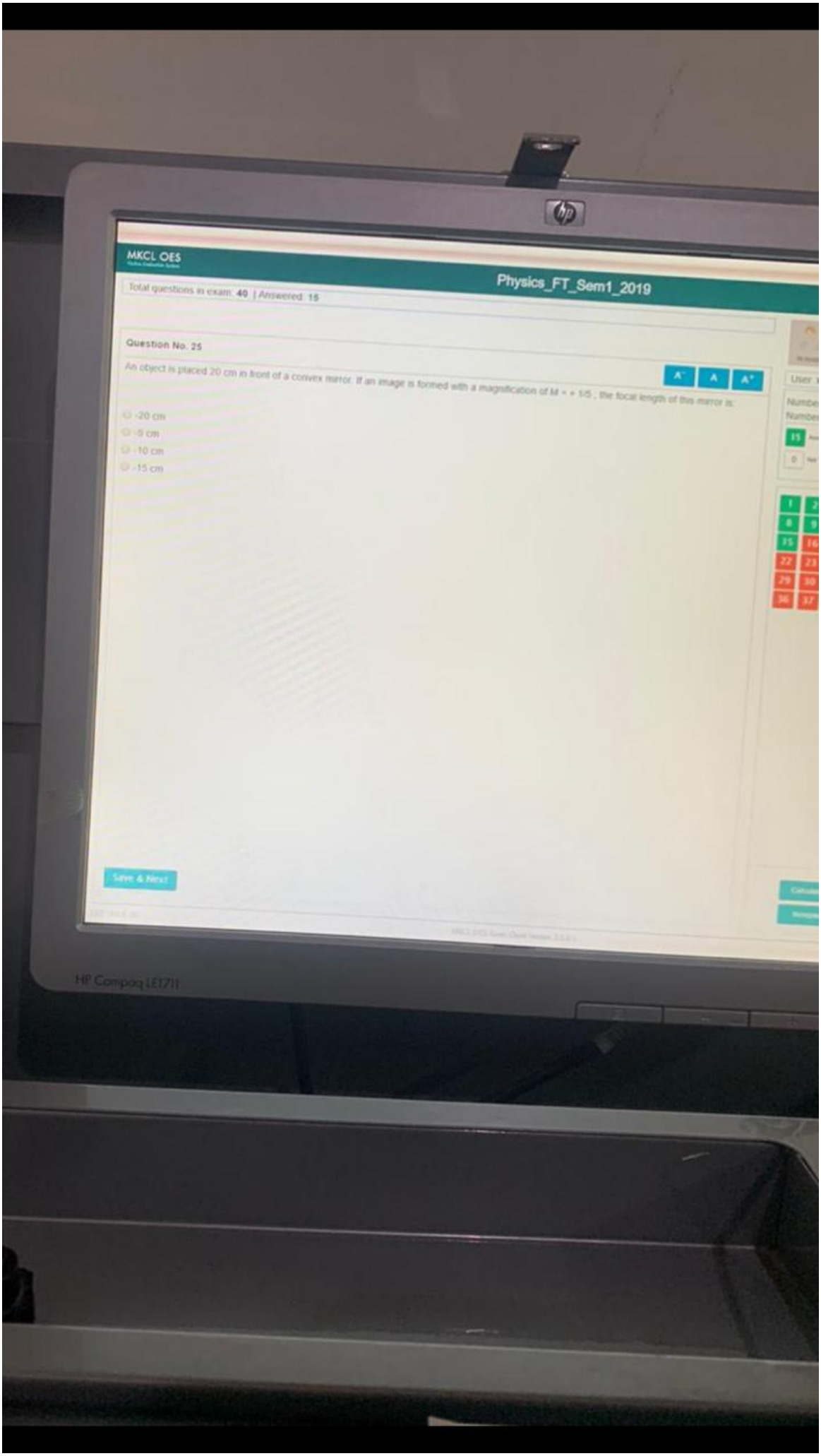
أرسل دردشة

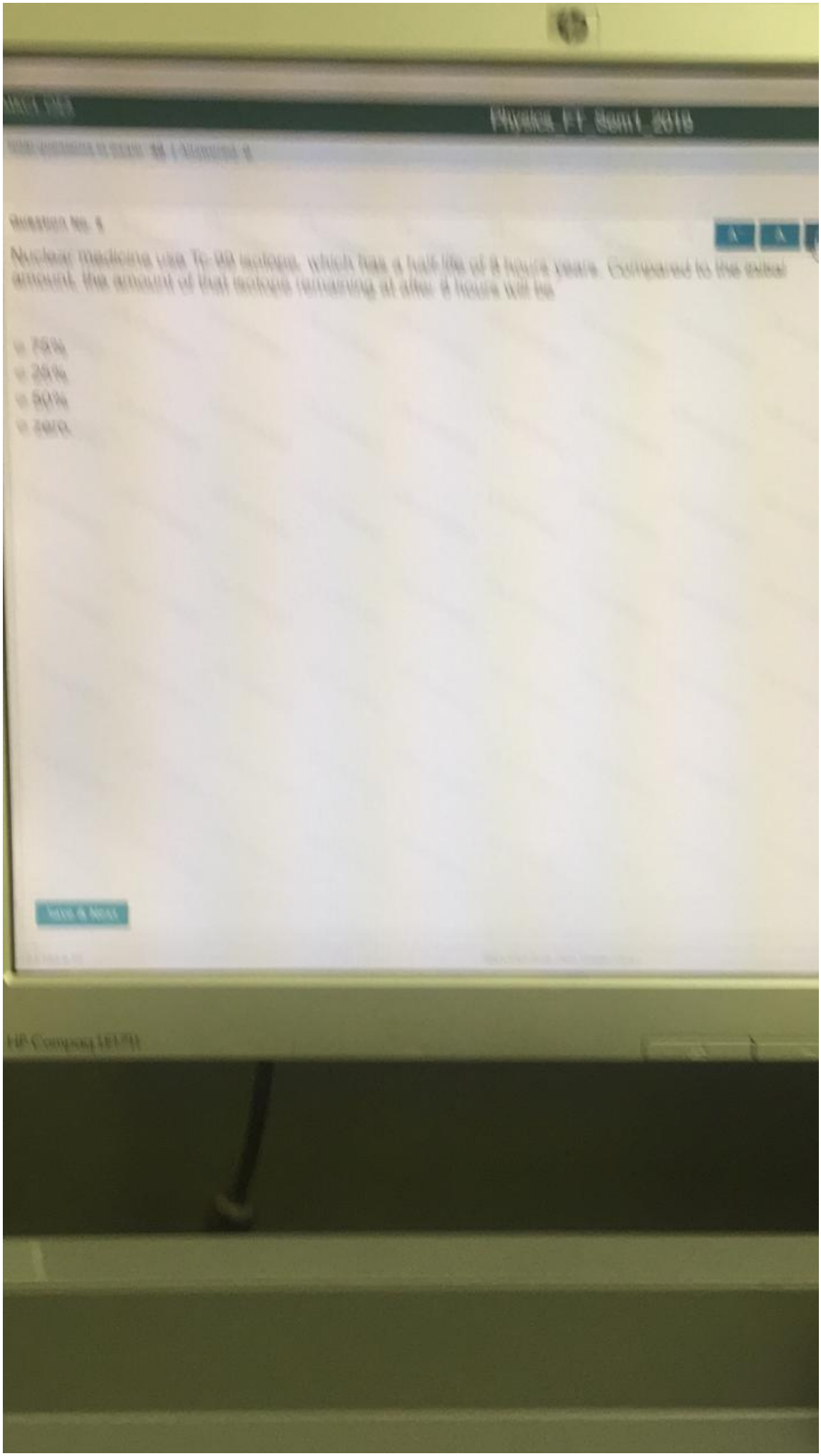

10:17
عبدالعزيز الرفاعي @ فيزياء فاينال3 أ. هاشم
A
Total questions in exam: 40 | Answered: 15
Question No. 40
The heat of vaporization of a liquid is the heat that 1kg of the liquid needs to
freeze
change to solid
change to liquid
change to gas


Khadija 16 @ فيزياء فاينال8 أ. هاشم
يب
MKCL OES
Physics_FT_Sem1_2019


Physics_FT_Sem1_2019
65:48
Save & Next
Taibah University
Preparatory Year
Introduction to Physics


MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 15
Question No. 34
Three identical lamps, each of resistance 4 Ω, are connected in series to a 6-V battery. Their equivalent resistance is:
24 Ω
6 Ω
12 Ω
4 Ω
Save & Next


MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 15
Question No. 25
An object is placed 20 cm in front of a convex mirror. If an image is formed with a magnification of M = + 1/5 , the focal length of this mirror is:
-20 cm
-5 cm
-10 cm
-15 cm
Save & Next
HP Compaq LE1711



MKCL OES

Physics_FT_S

Total questions in exam: **40** | Answered: **0**

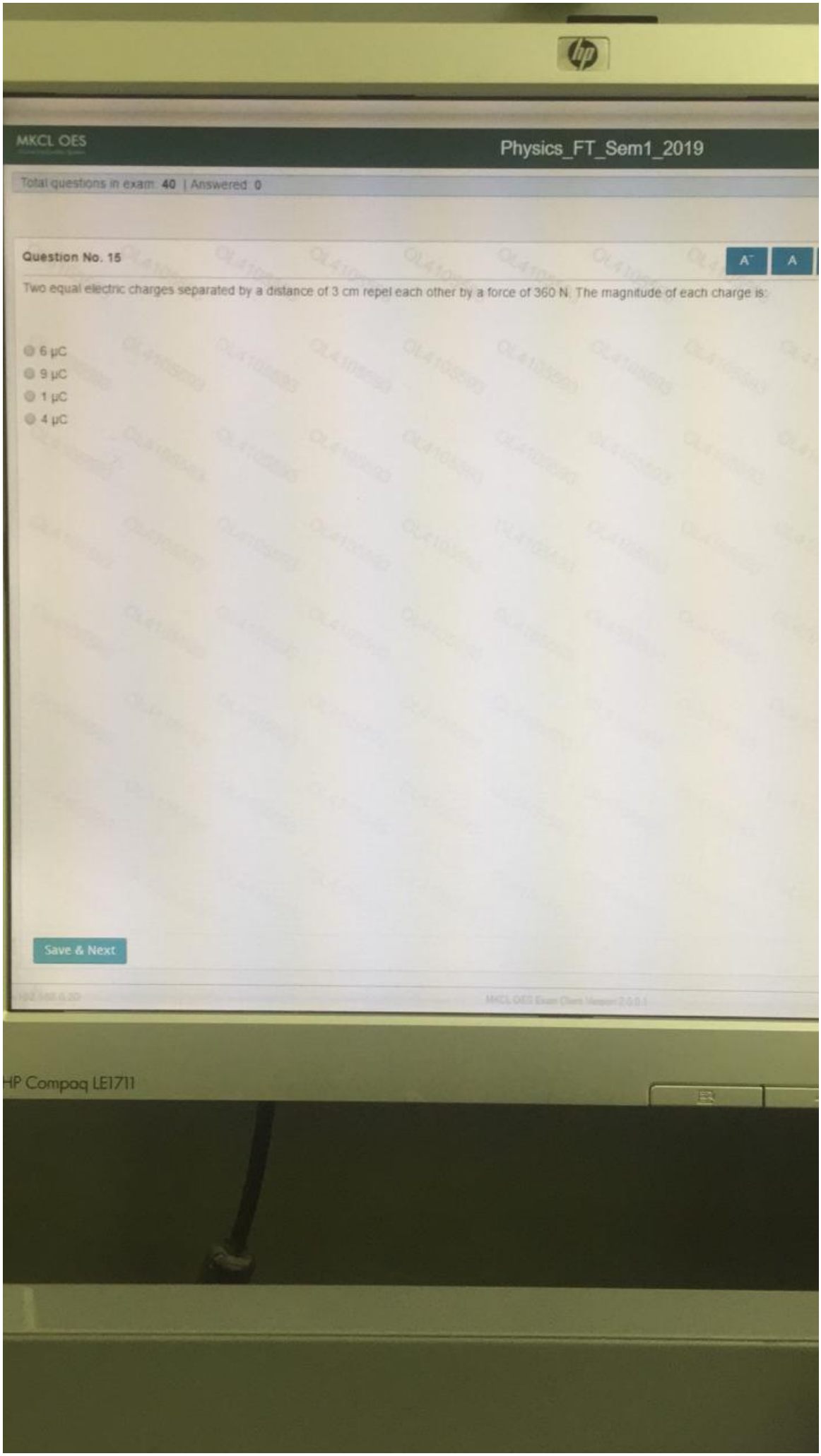
Question No. 19

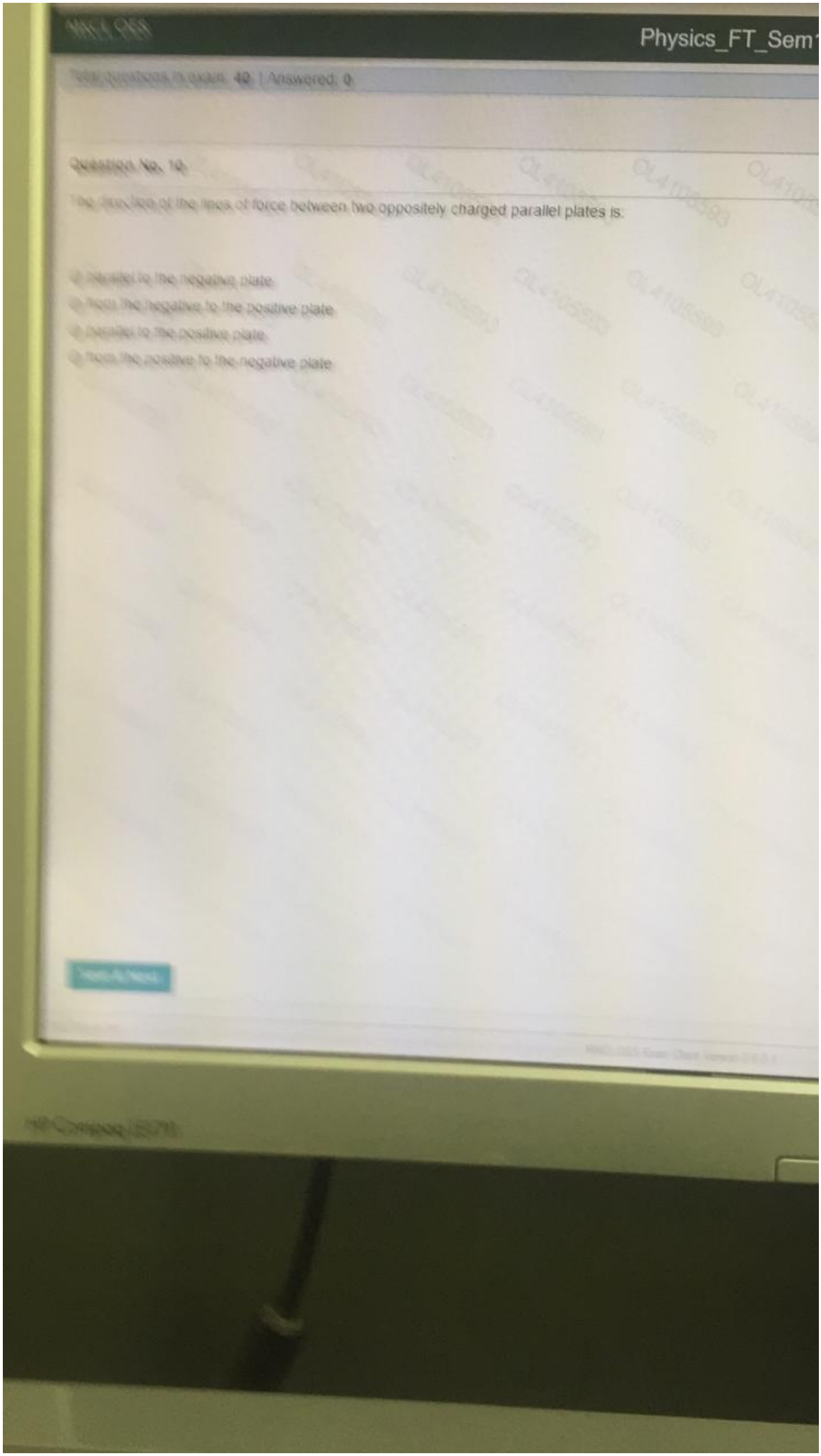
If the power rating of a lamp is 55 W, the current it draws in a 110-V electric circuit is

- 5 A
- 0.25 A
- 2 A
- 0.5 A

Save & Next

HP Compaq LE1711


MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 0
Question No. 15
A-
A
Two equal electric charges separated by a distance of 3 cm repel each other by a force of 360 N. The magnitude of each charge is:
6 µC
9 µC
1 µC
4 µC
Save & Next
HP Compaq LE1711


Physics_FT_Sem
Question No. 10
The direction of the lines of force between two oppositely charged parallel plates is:
(1) Parallel to the negative plate
(2) From the negative to the positive plate
(3) Parallel to the positive plate
(4) From the positive to the negative plate

10:38

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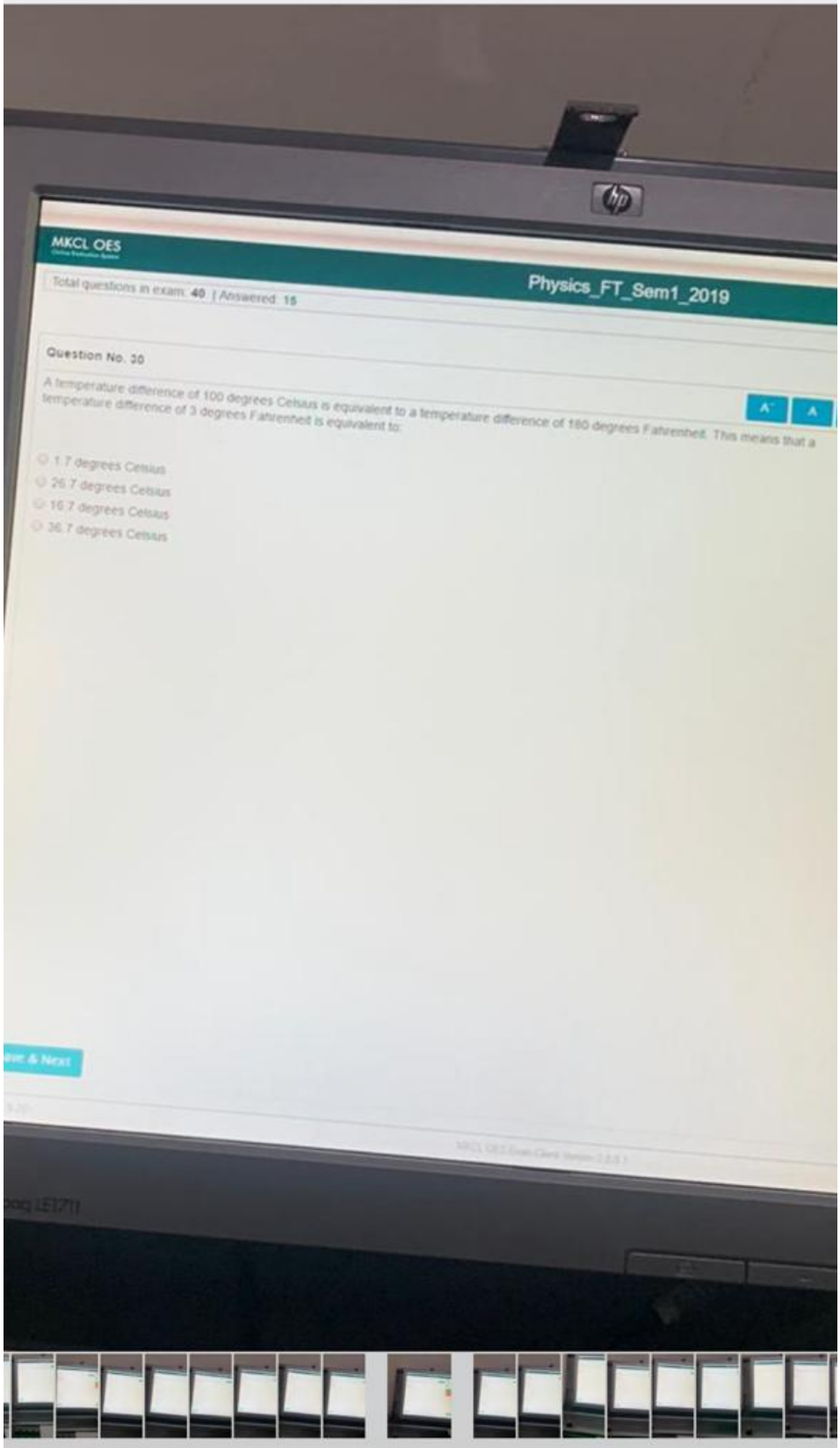

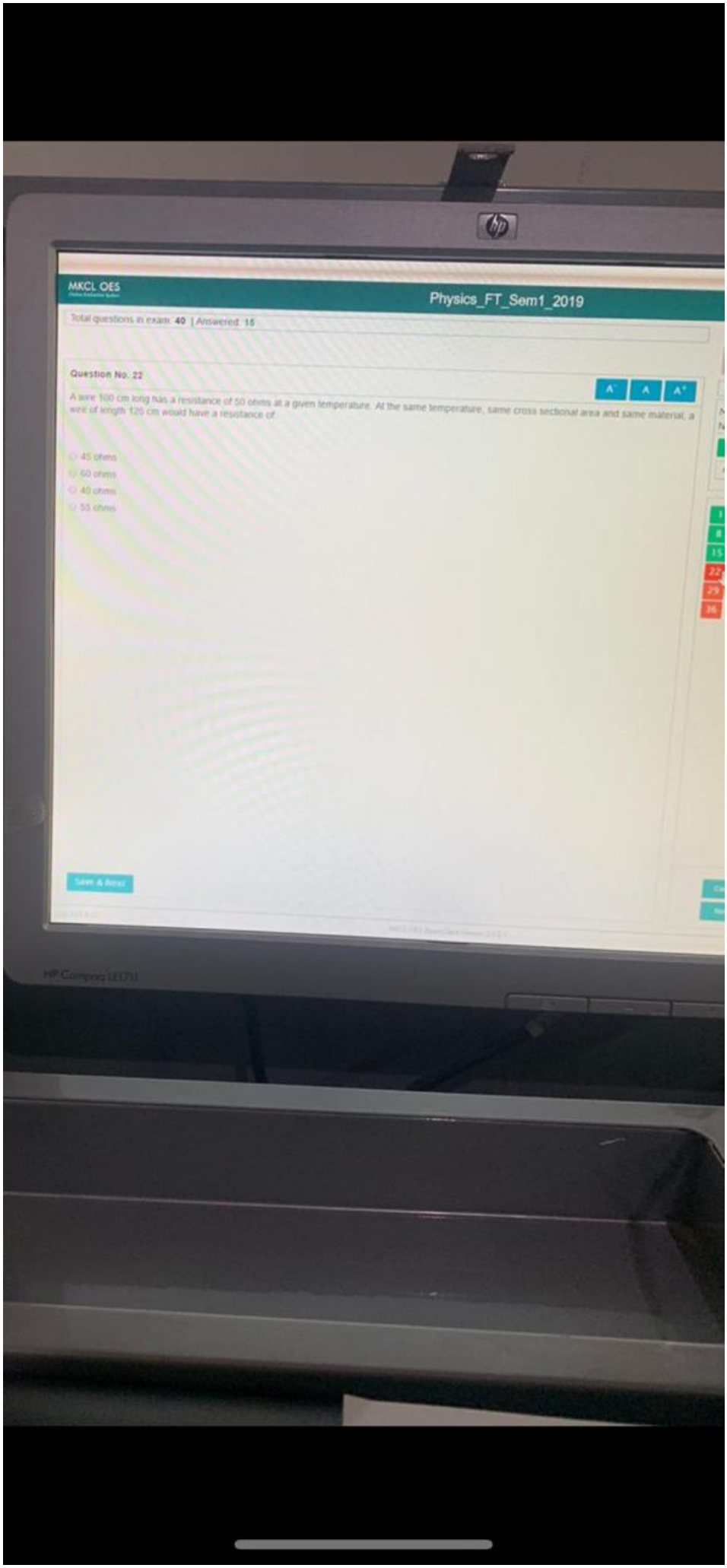
MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 15
Question No. 22
A wire 100 cm long has a resistance of 50 ohms at a given temperature. At the same temperature, same cross sectional area and same material, a wire of length 120 cm would have a resistance of
45 ohms
60 ohms
40 ohms
55 ohms
Save & Next

MKCL OES

Total questions in exam: 40 | Answered: 15

Question No. 24

The following type of radiation can be stopped by a piece of paper:

- alpha rays
- beta rays
- gamma rays
- x-rays

Save & Next

10:36
4G
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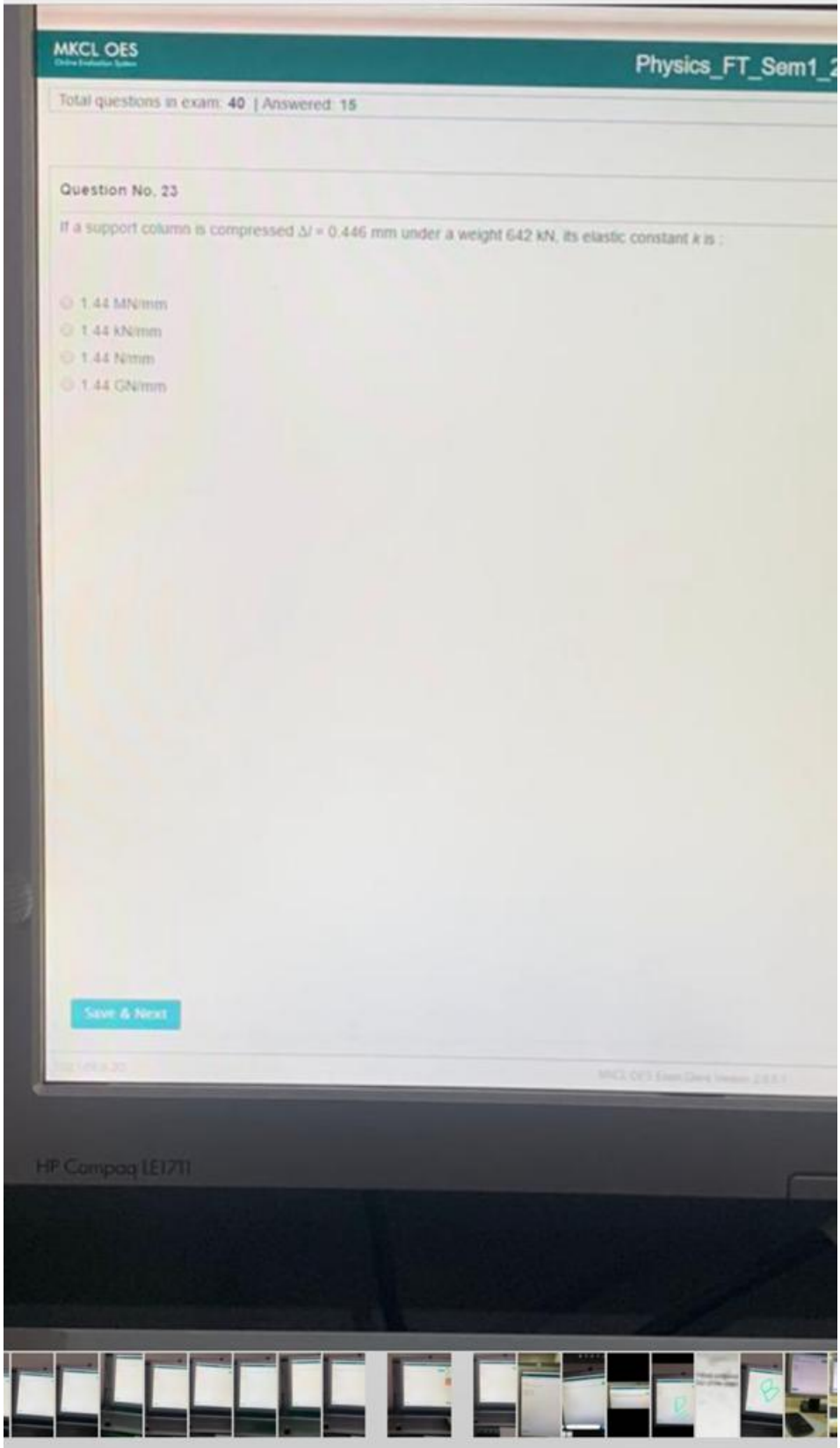
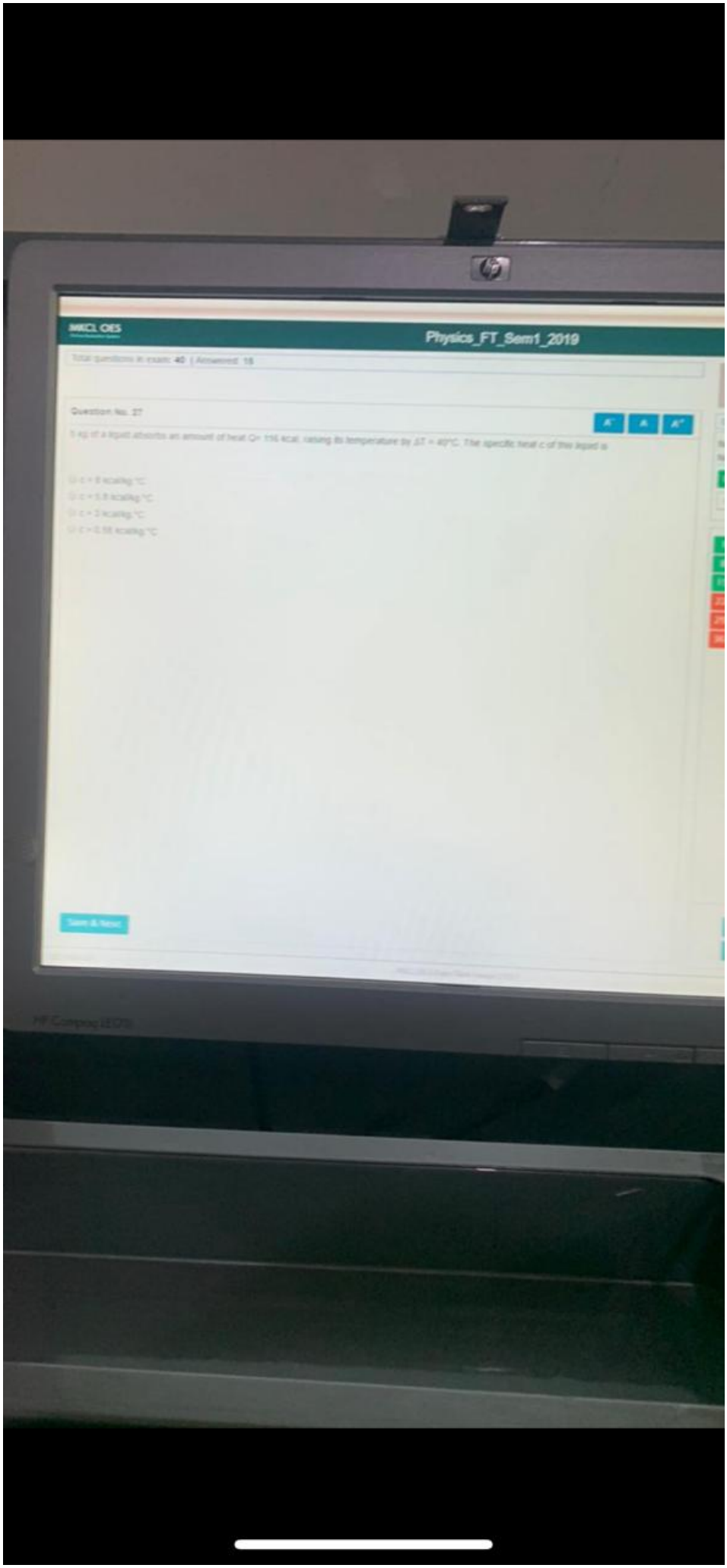
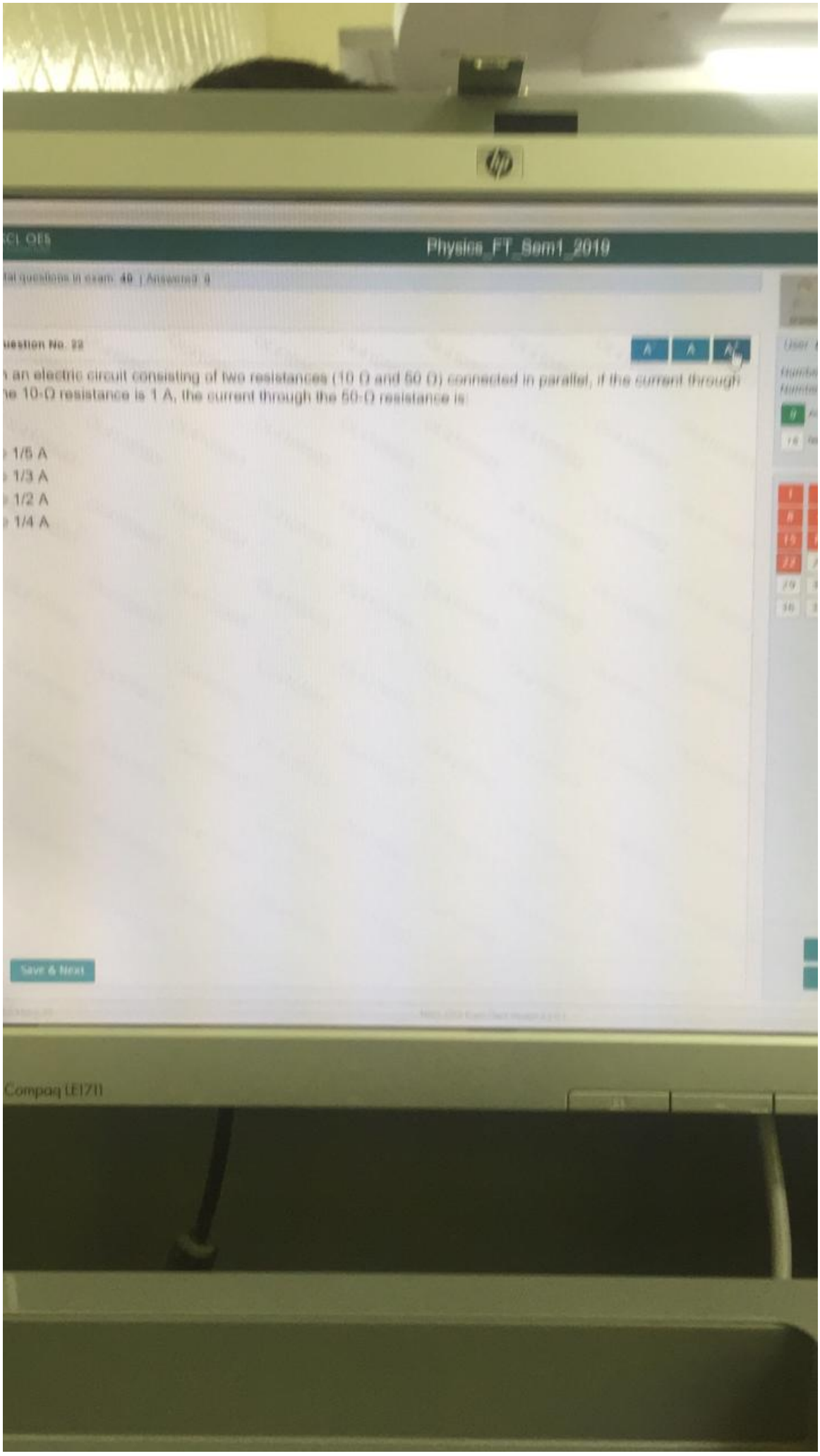
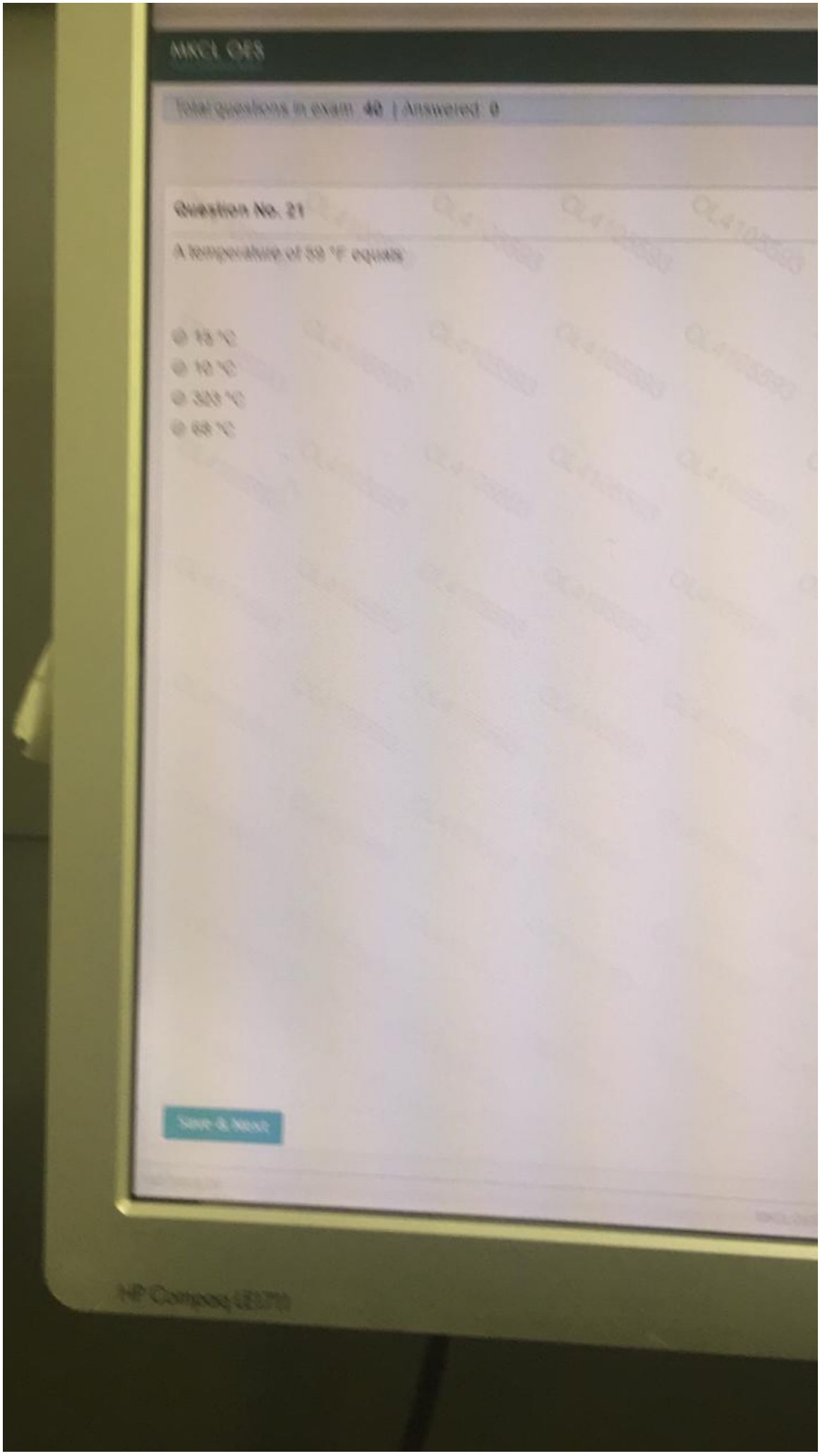
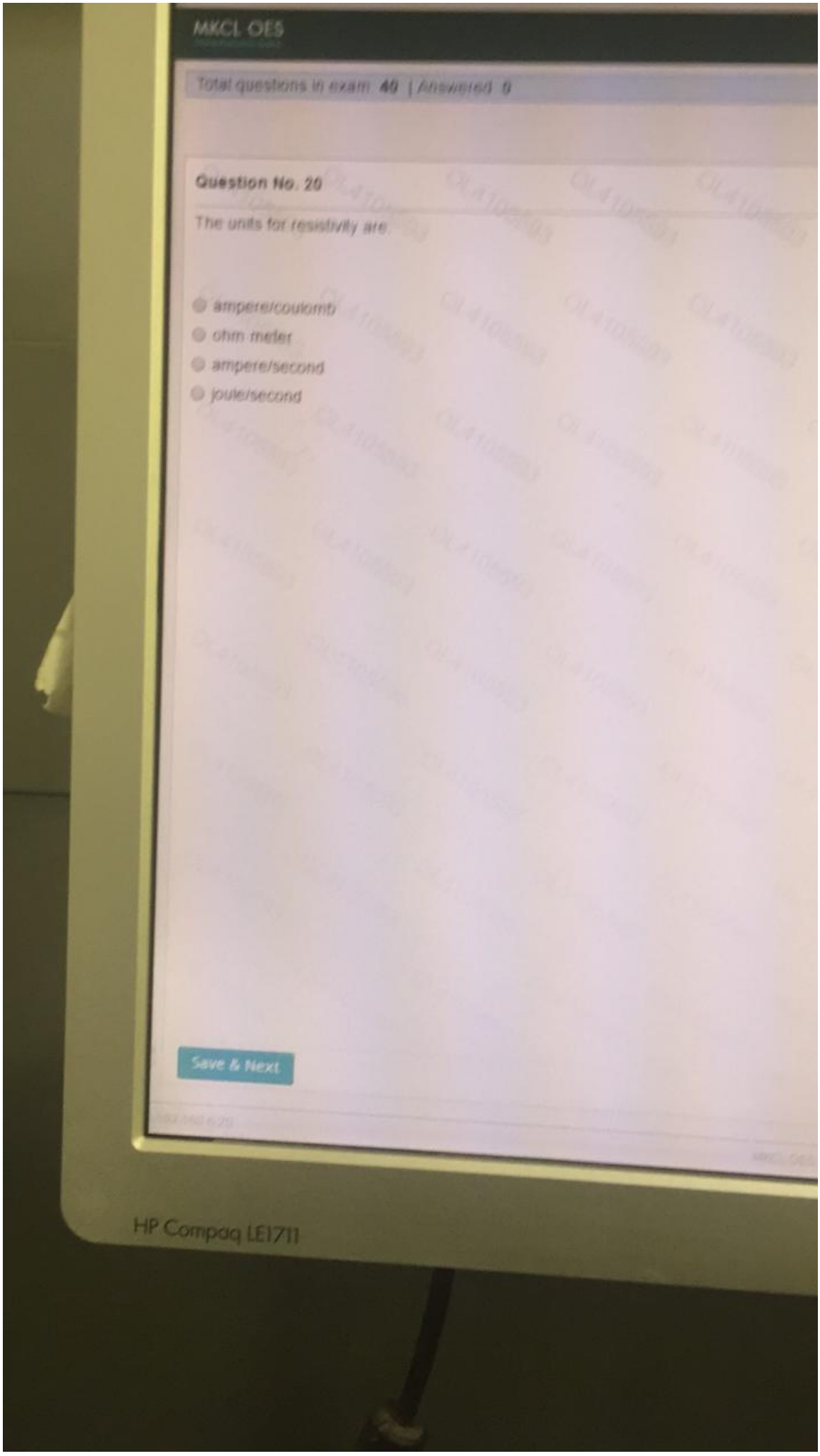
All Media

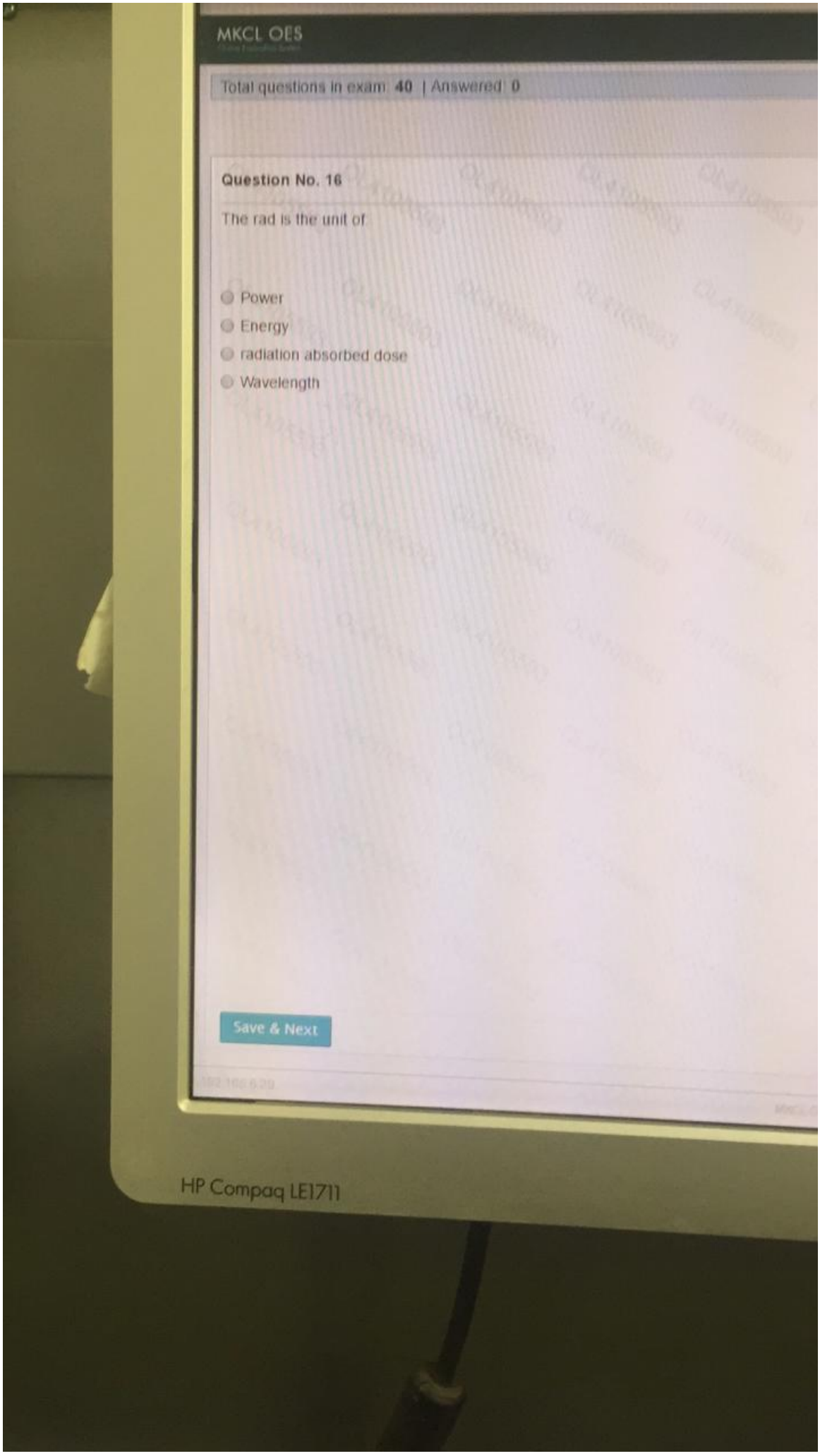



Physics_FT_Sem1_2019
Total questions in exam: 40 (Answered: 18
Question No. 27
A+
A
A-
1 kg of a liquid absorbs an amount of heat Q= 116 kcal, raising its temperature by ΔT = 40°C. The specific heat c of this liquid is
Save & Next


Physics_FT_Sem1_2019
Question No. 22
an electric circuit consisting of two resistances (10 Ω and 50 Ω) connected in parallel, if the current through
he 10-Ω resistance is 1 A, the current through the 50-Ω resistance is:
1/5 A
1/3 A
1/2 A
1/4 A
Save & Next
Compaq LE1711


MCQ QES
Total questions in exam: 40 | Answered: 0
Question No. 21
A temperature of 59 °F equals
15 °C
10 °C
283 °C
68 °C
Save & Next


MKCL OES
Total questions in exam: 40 | Answered: 0
Question No. 20
The units for resistivity are
ampere/coulomb
ohm meter
ampere/second
joule/second
Save & Next
HP Compaq LE1711


MKCL OES
Total questions in exam: 40 | Answered: 0
Question No. 16
The rad is the unit of
Power
Energy
radiation absorbed dose
Wavelength
Save & Next
HP Compaq LE1711

Total questions in exam: 40 | Answered: 0

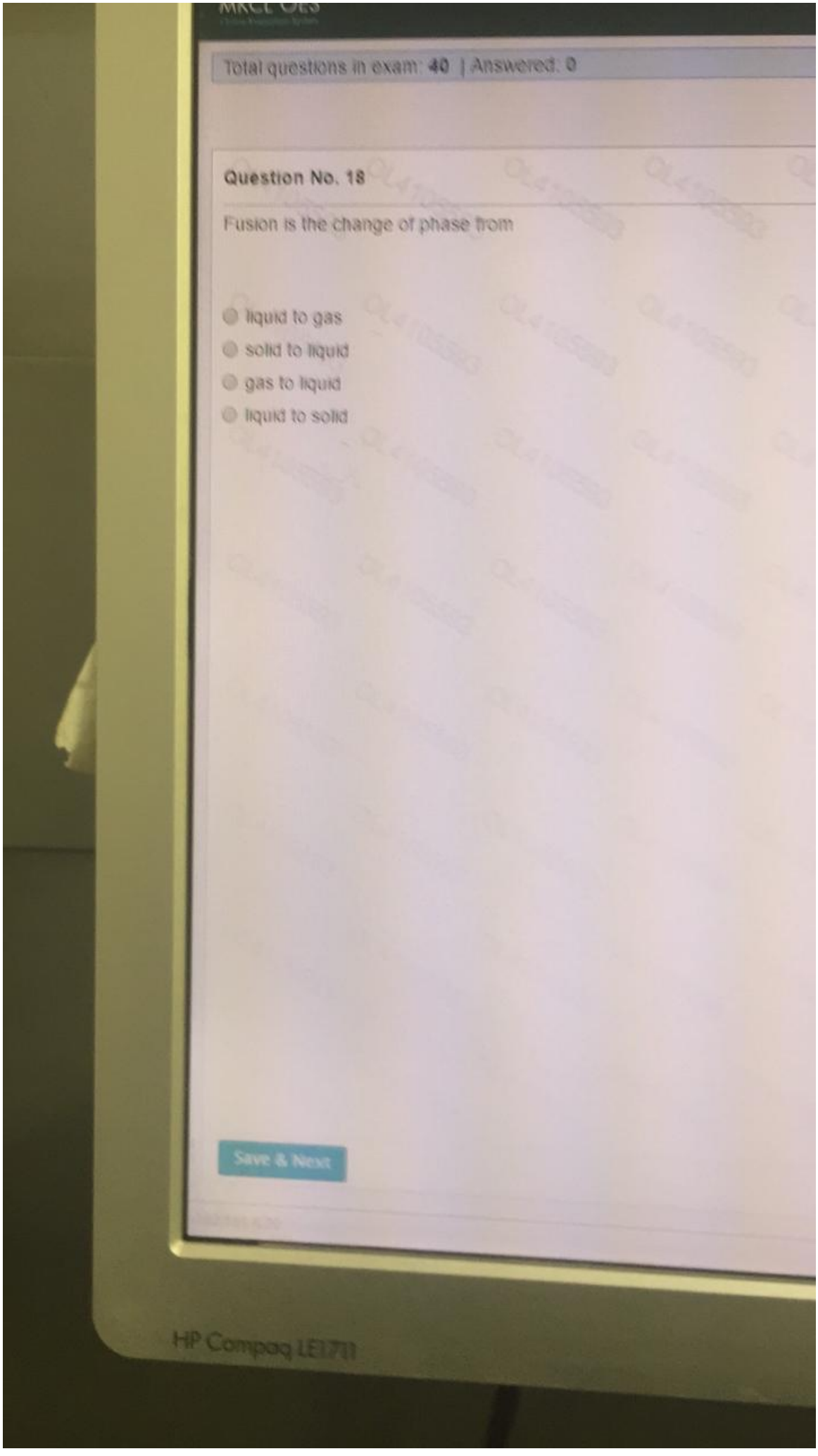
Question No. 17

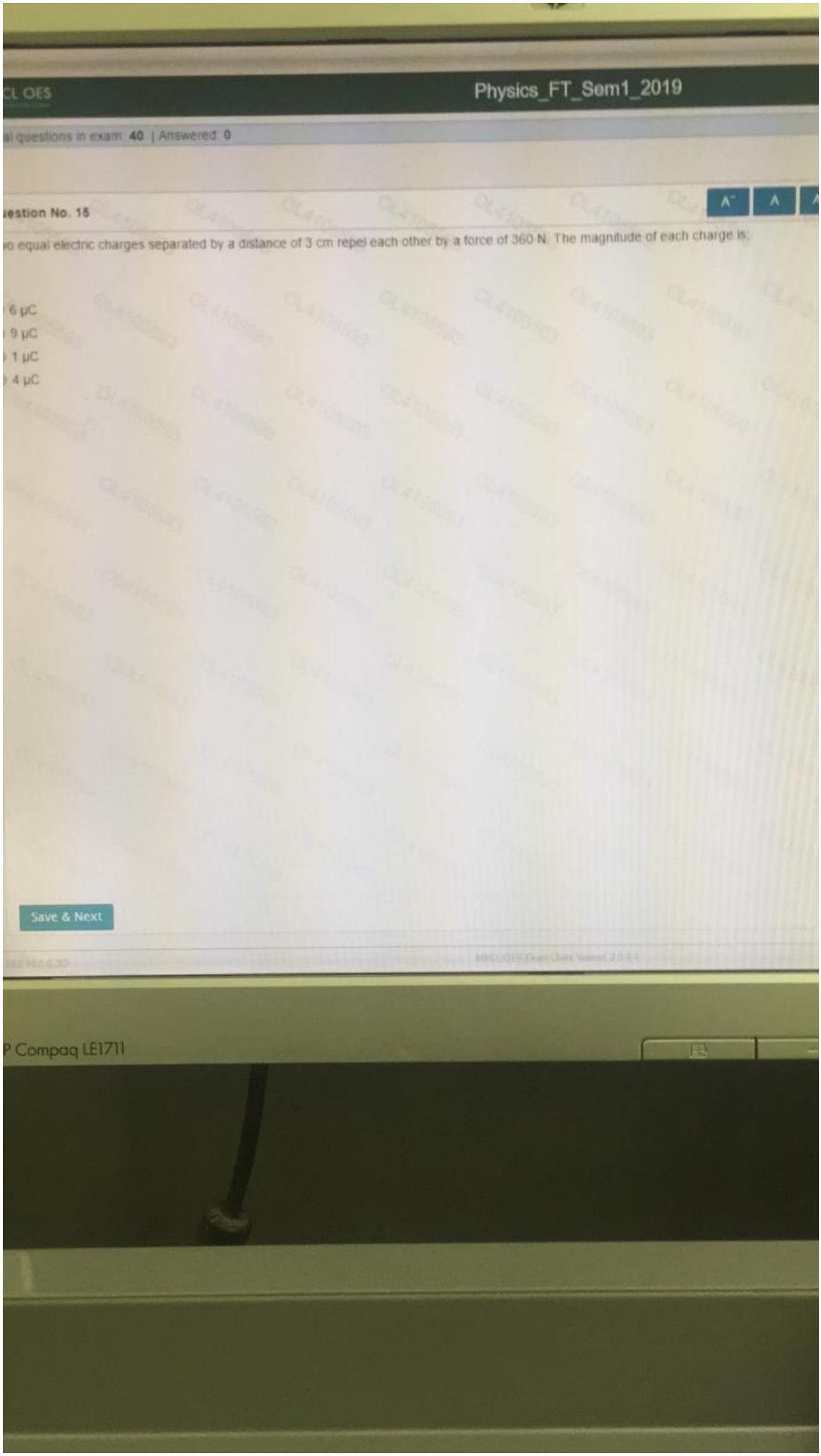
The repulsive force between two identical 1 mC charges separated by 300 m is

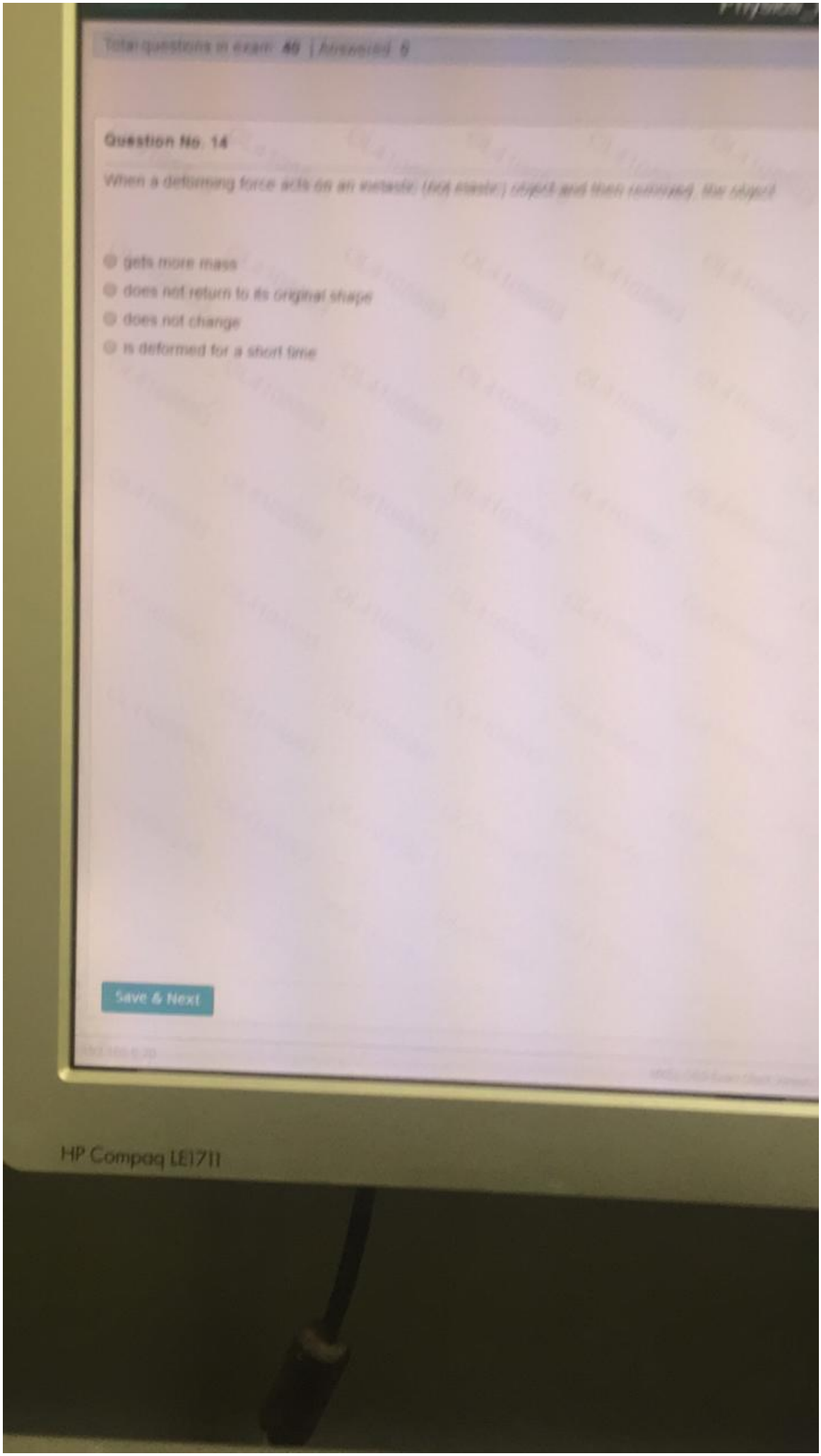
- 0.1 N
- 10 N
- 1 N
- 100 N

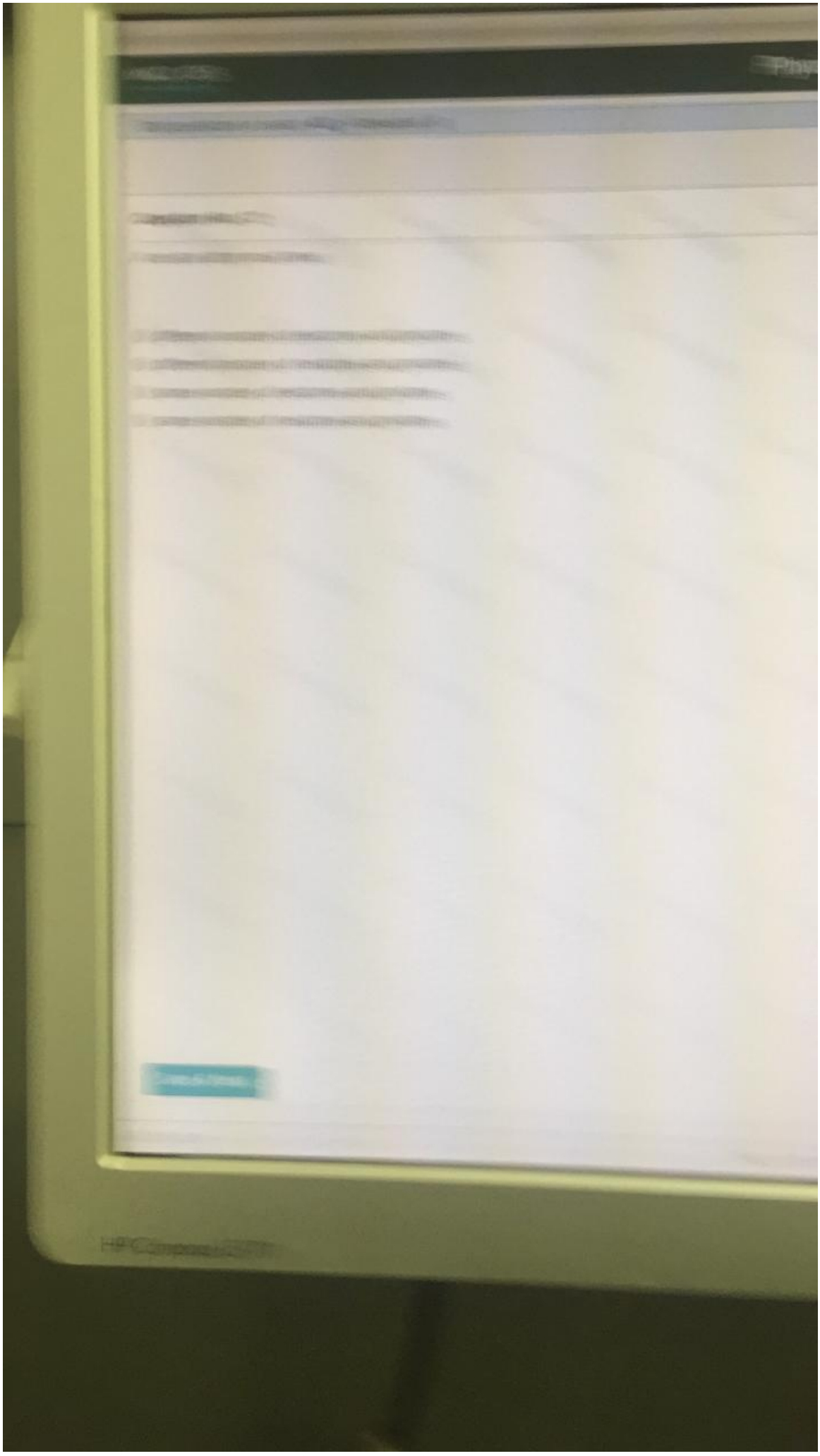
Save & Next

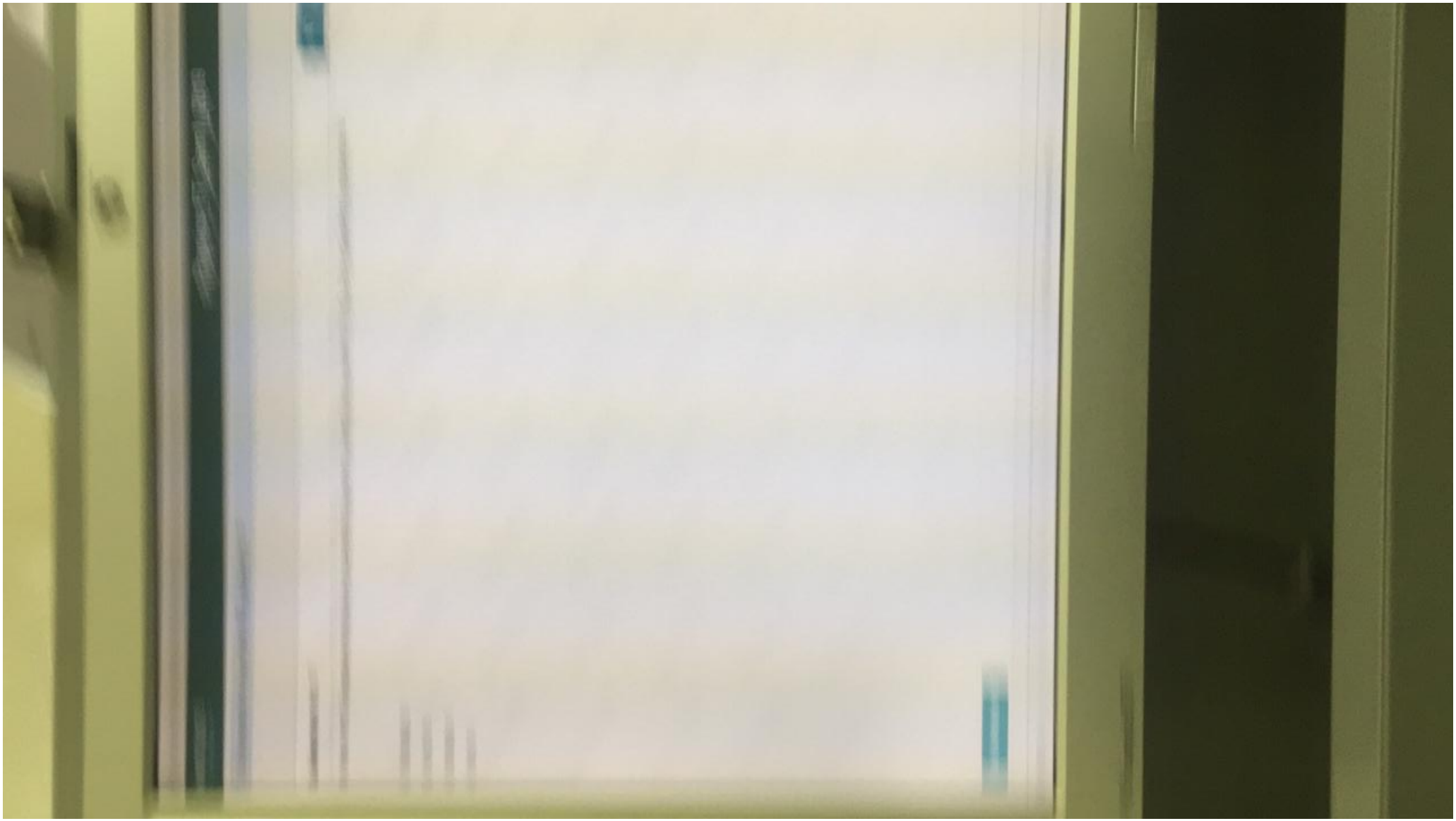
HP Compaq LE1711

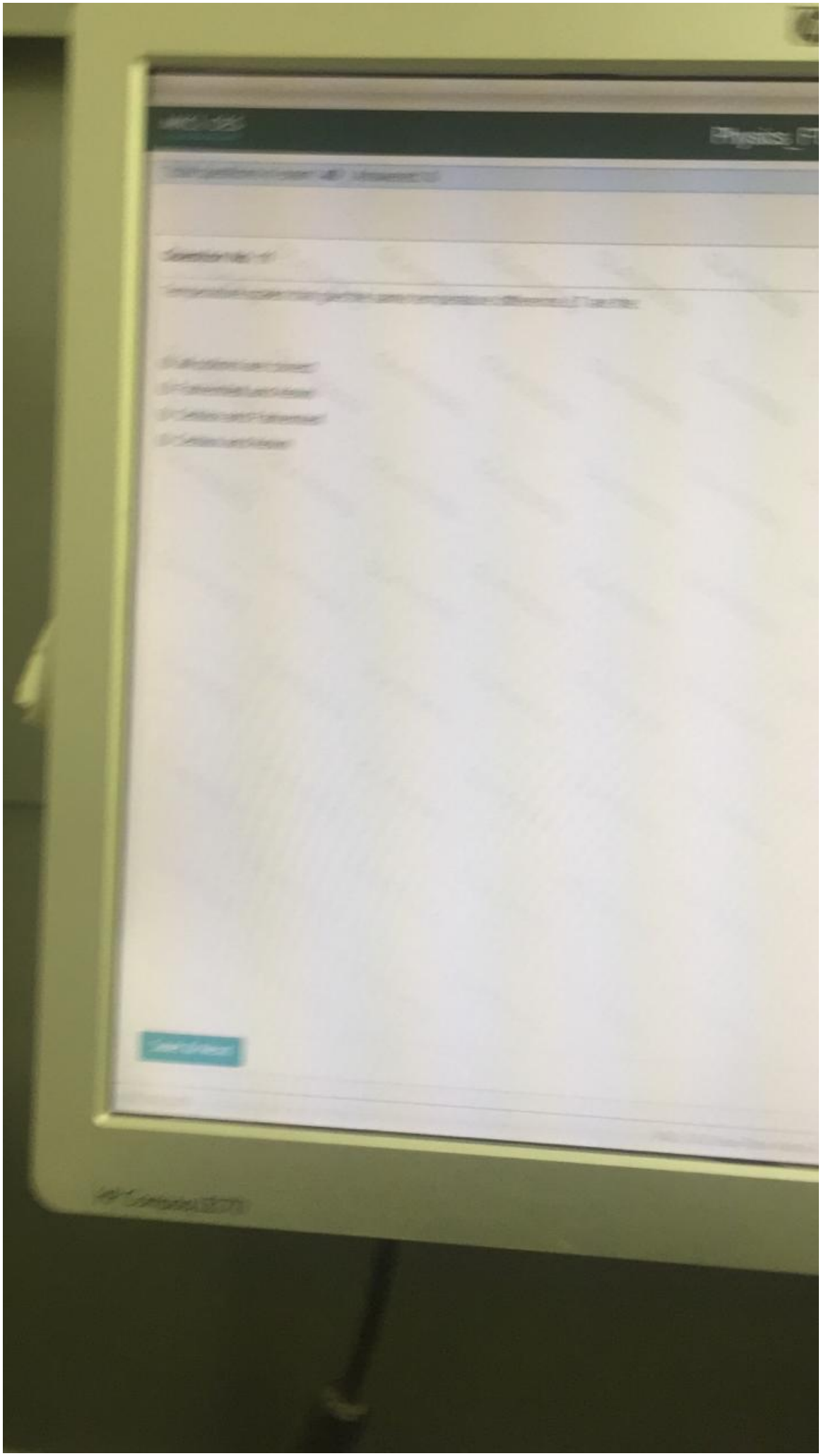

Total questions in exam: 40 | Answered: 0
Question No. 18
Fusion is the change of phase from
liquid to gas
solid to liquid
gas to liquid
liquid to solid
Save & Next
HP Compaq LE1711


CL OES
Physics_FT_Sem1_2019
al questions in exam: 40 | Answered: 0
estion No. 15
o equal electric charges separated by a distance of 3 cm repel each other by a force of 360 N. The magnitude of each charge is:
6 μC
9 μC
1 μC
4 μC
Save & Next
P Compaq LE1711


Total questions in exam: 40 | Answered: 0
Question No. 14
When a deforming force acts on an inelastic (not elastic) object and then removed, the object
gets more mass
does not return to its original shape
does not change
is deformed for a short time
Save & Next
HP Compaq LE1711







MKCL OES

Physics_FT_Sem1_2019

Total questions in exam: 40 | Answered: 5

Question No. 6

A⁻ A A⁺

A 12N brick with dimensions 6 cm × 9 cm × 16 cm is placed on a table. The greatest stress it can exert on the table is:

- 0.094 N/cm^2
- 0.125 N/cm^2
- 0.22 N/cm^2
- 0.022 N/cm^2

Save & Next

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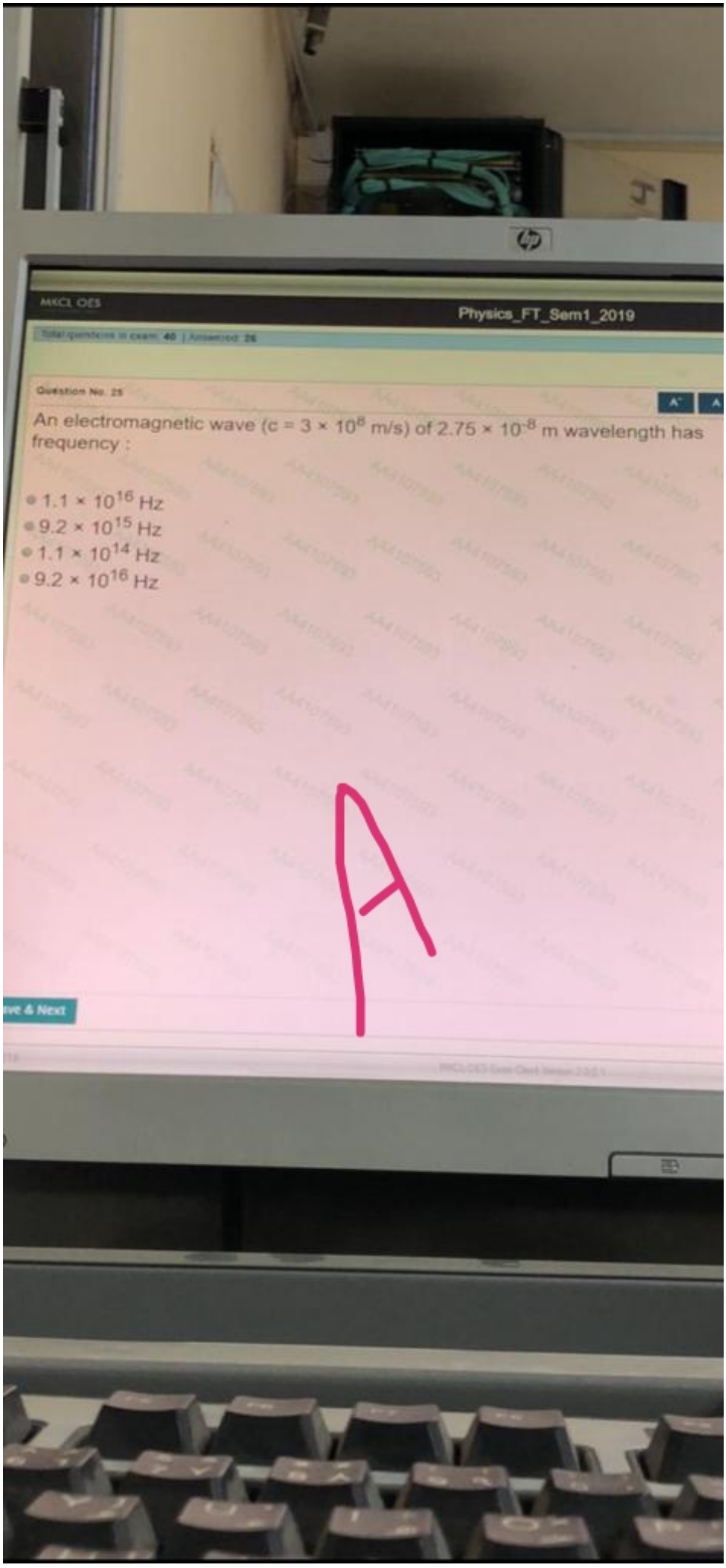
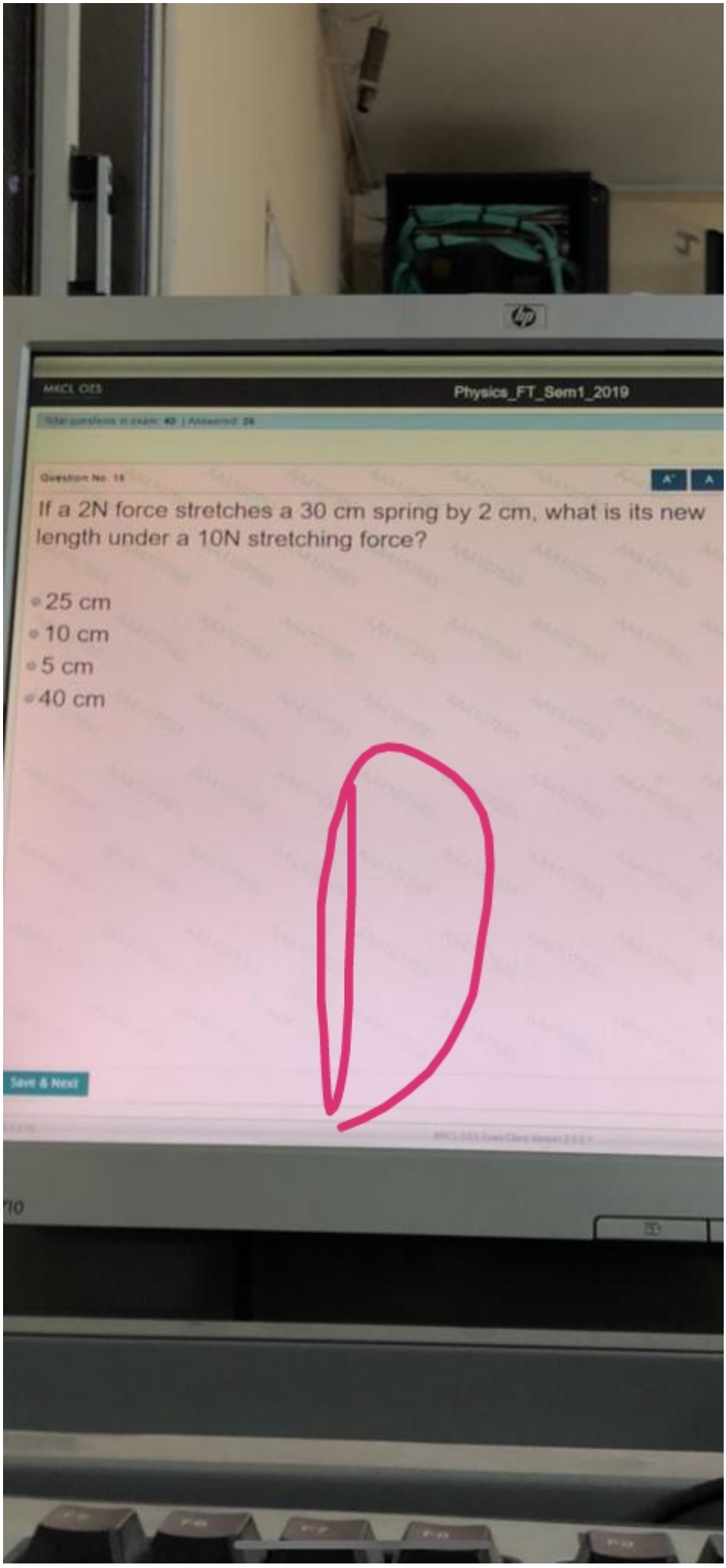

MKCL OES
Physics_FT_Sem1_2019
Question No. 25
An electromagnetic wave (c = 3 × 10^8 m/s) of 2.75 × 10^-8 m wavelength has frequency :
1.1 × 10^16 Hz
9.2 × 10^15 Hz
1.1 × 10^14 Hz
9.2 × 10^16 Hz
A
ve & Next


MKCL OES
Physics_FT_Sem1_2019
If a 2N force stretches a 30 cm spring by 2 cm, what is its new length under a 10N stretching force?
25 cm
10 cm
5 cm
40 cm
Save & Next

MKCL OES

Physics_FT_S

Total questions in exam: 40 | Answered: 9

Question No. 9

The weight density of a 10 kg block of wood of dimensions 1 cm × 2 cm × 5 cm is:

- 10 N/cm^3
- 20 N/cm^3
- 1 N/cm^3
- 1000 N/cm^3

Save & Next

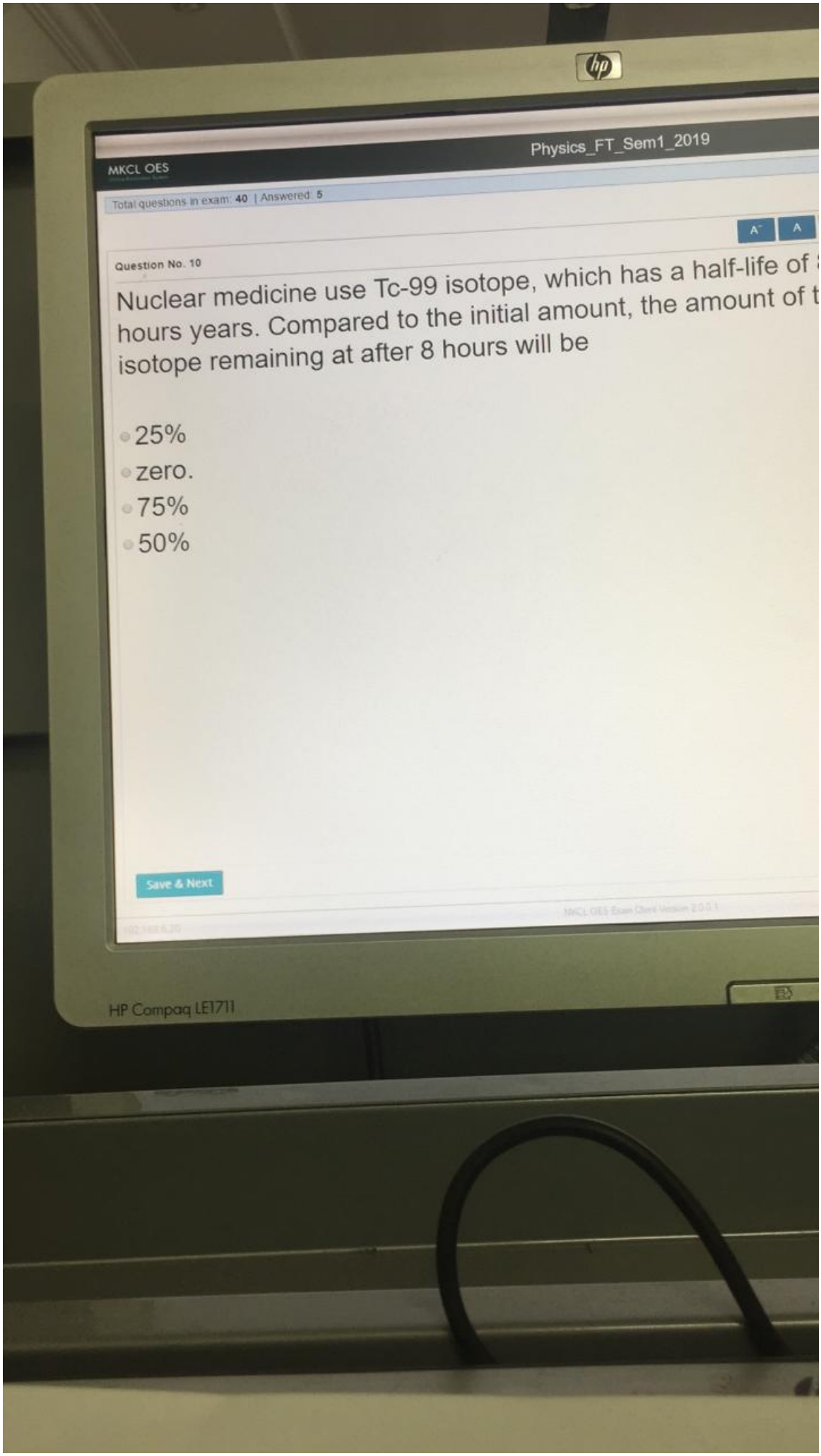
MKCL OES Exam Client Version 2.0

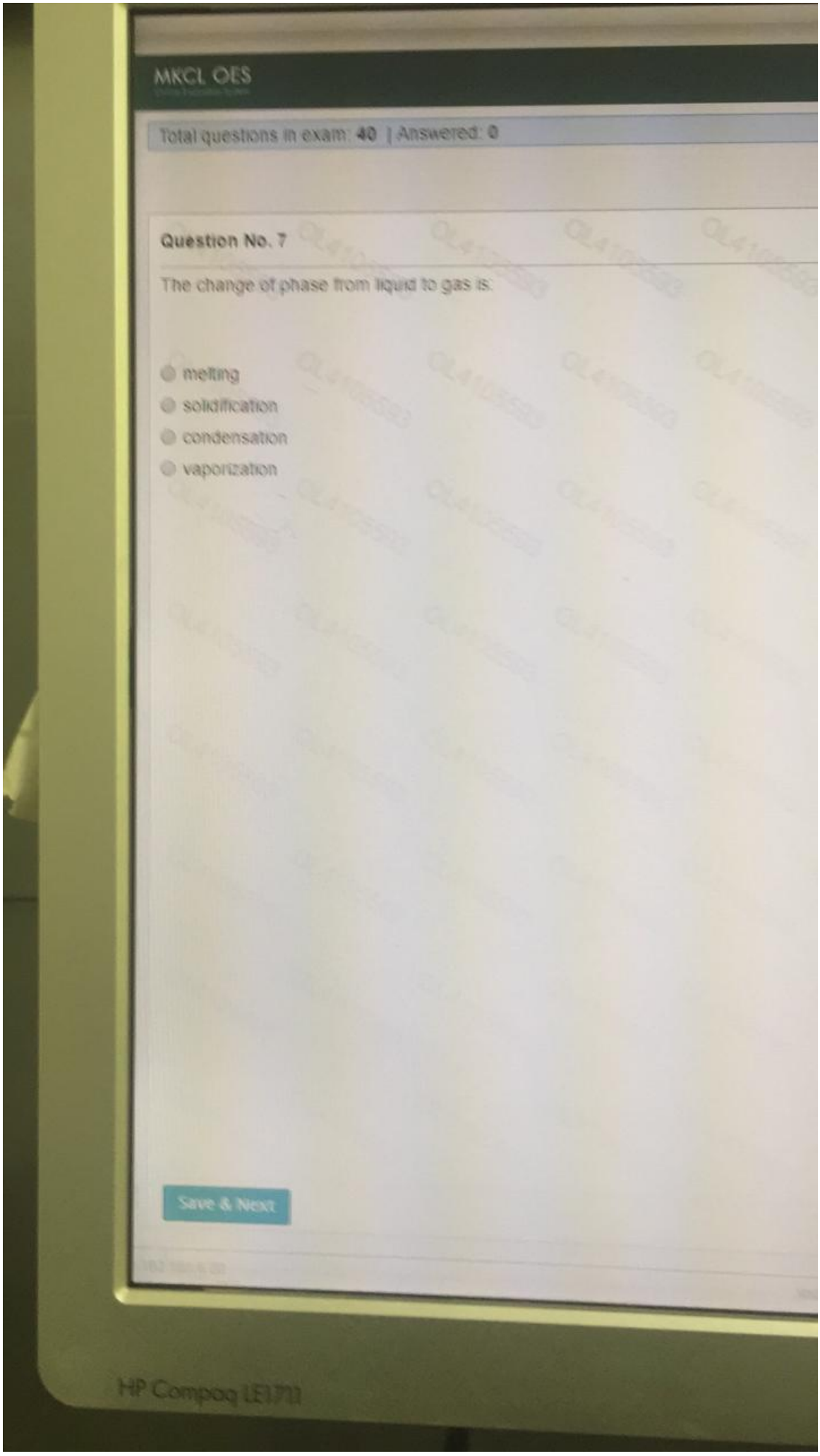
HP Compaq LE1711

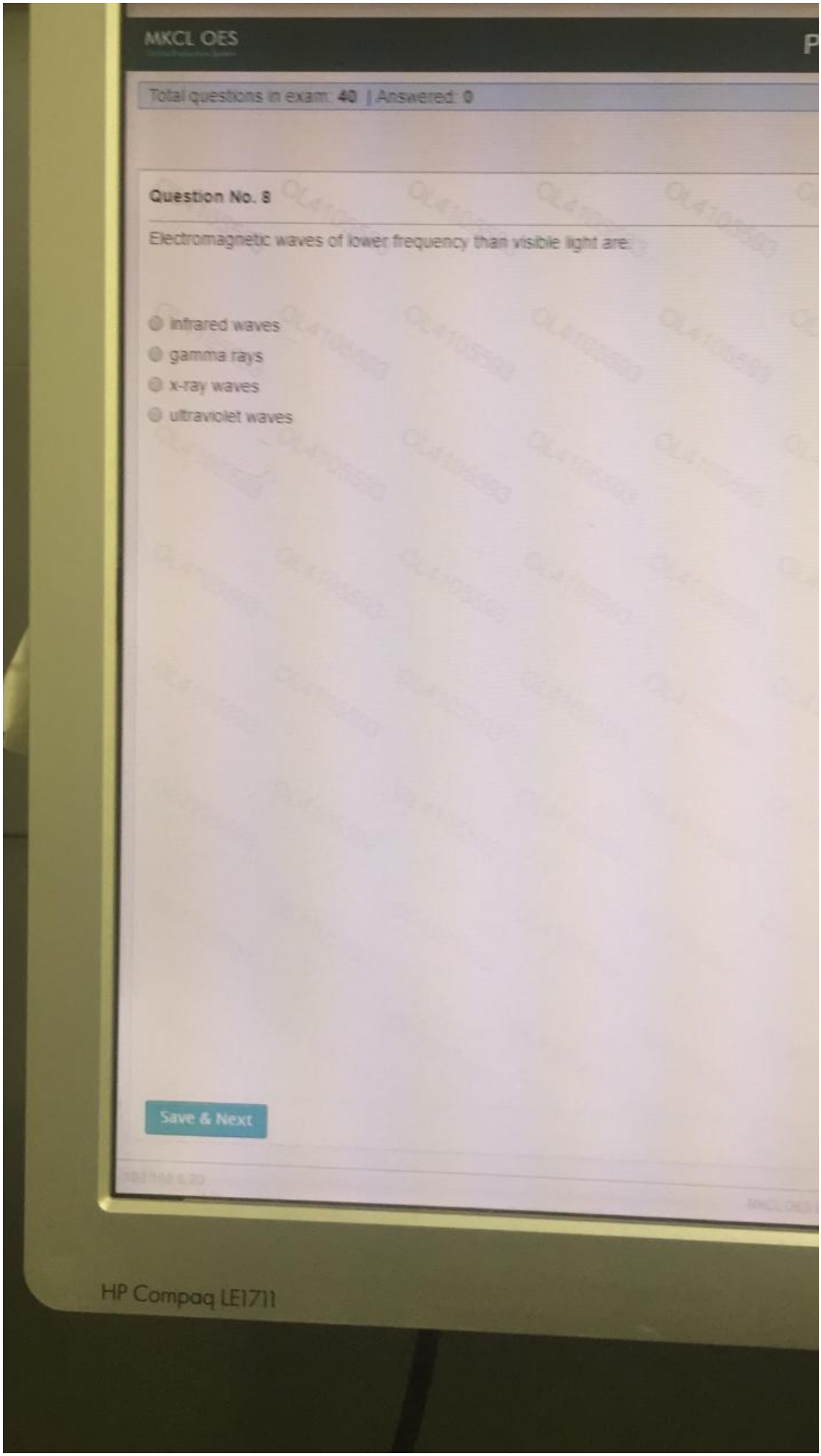
Question No. 22

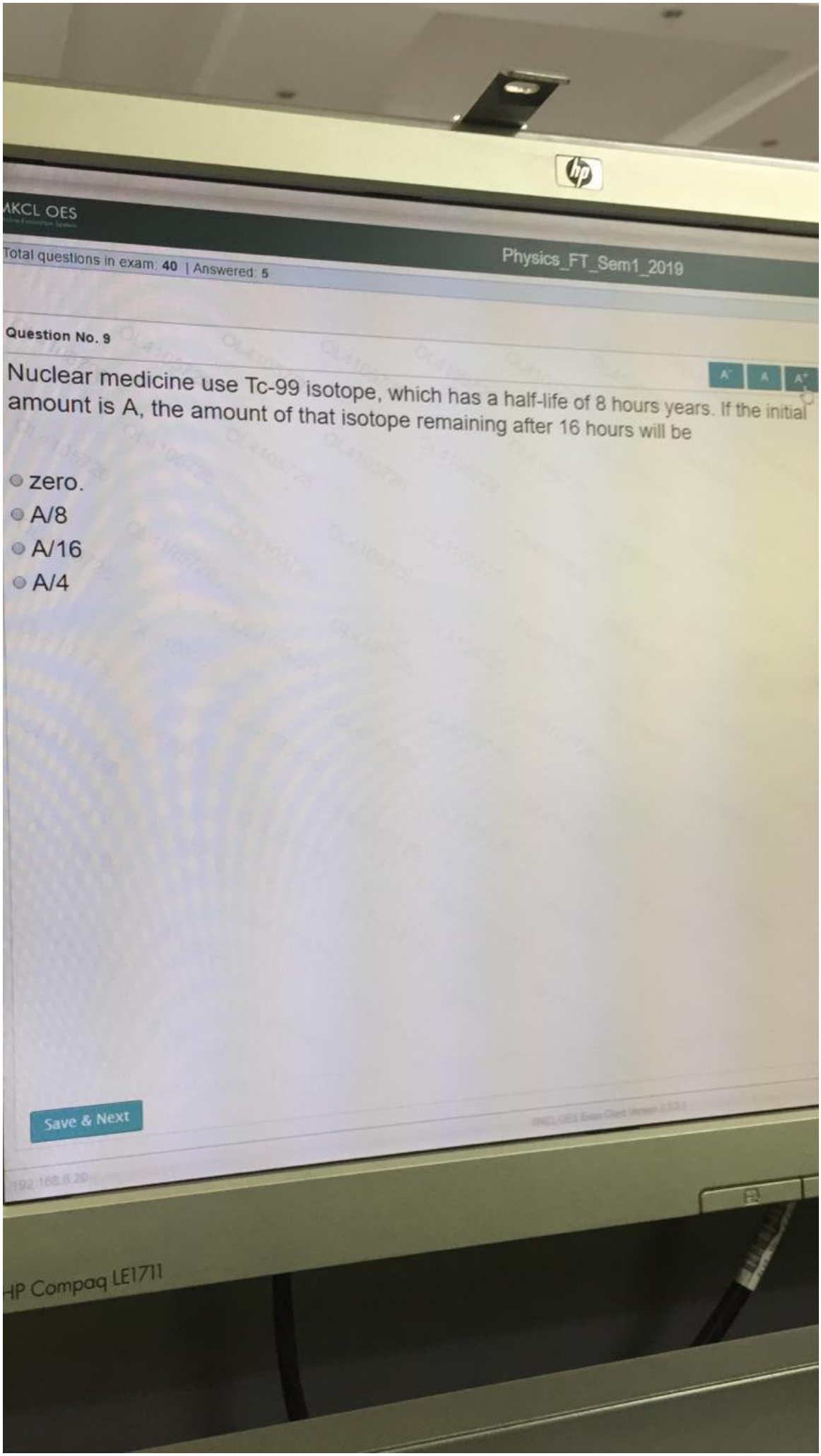
An iron is rated at 550 W. How much would it cost to operate it for 60 h at SAR0.18/kWh?

- SAR 5.94
- SAR 0.17
- SAR 16
- SAR 59.4


MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 5
A- A
Question No. 10
Nuclear medicine use Tc-99 isotope, which has a half-life of
hours years. Compared to the initial amount, the amount of t
isotope remaining at after 8 hours will be
25%
zero.
75%
50%
Save & Next
HP Compaq LE1711


MKCL OES
Total questions in exam: 40 | Answered: 0
Question No. 7
The change of phase from liquid to gas is:
melting
solidification
condensation
vaporization
Save & Next
HP Compaq LE1711


MKCL OES
Total questions in exam: 40 | Answered: 0
Question No. 8
Electromagnetic waves of lower frequency than visible light are:
infrared waves
gamma rays
x-ray waves
ultraviolet waves
Save & Next
HP Compaq LE1711


AKCL OES
Total questions in exam: 40 | Answered: 5
Physics_FT_Sem1_2019
Question No. 9
Nuclear medicine use Tc-99 isotope, which has a half-life of 8 hours years. If the initial amount is A, the amount of that isotope remaining after 16 hours will be
zero.
A/8
A/16
A/4
Save & Next
HP Compaq LE1711

MKCL OES

Physics_FT_Sem1_2019

Total questions in exam: **40** | Answered: **0**

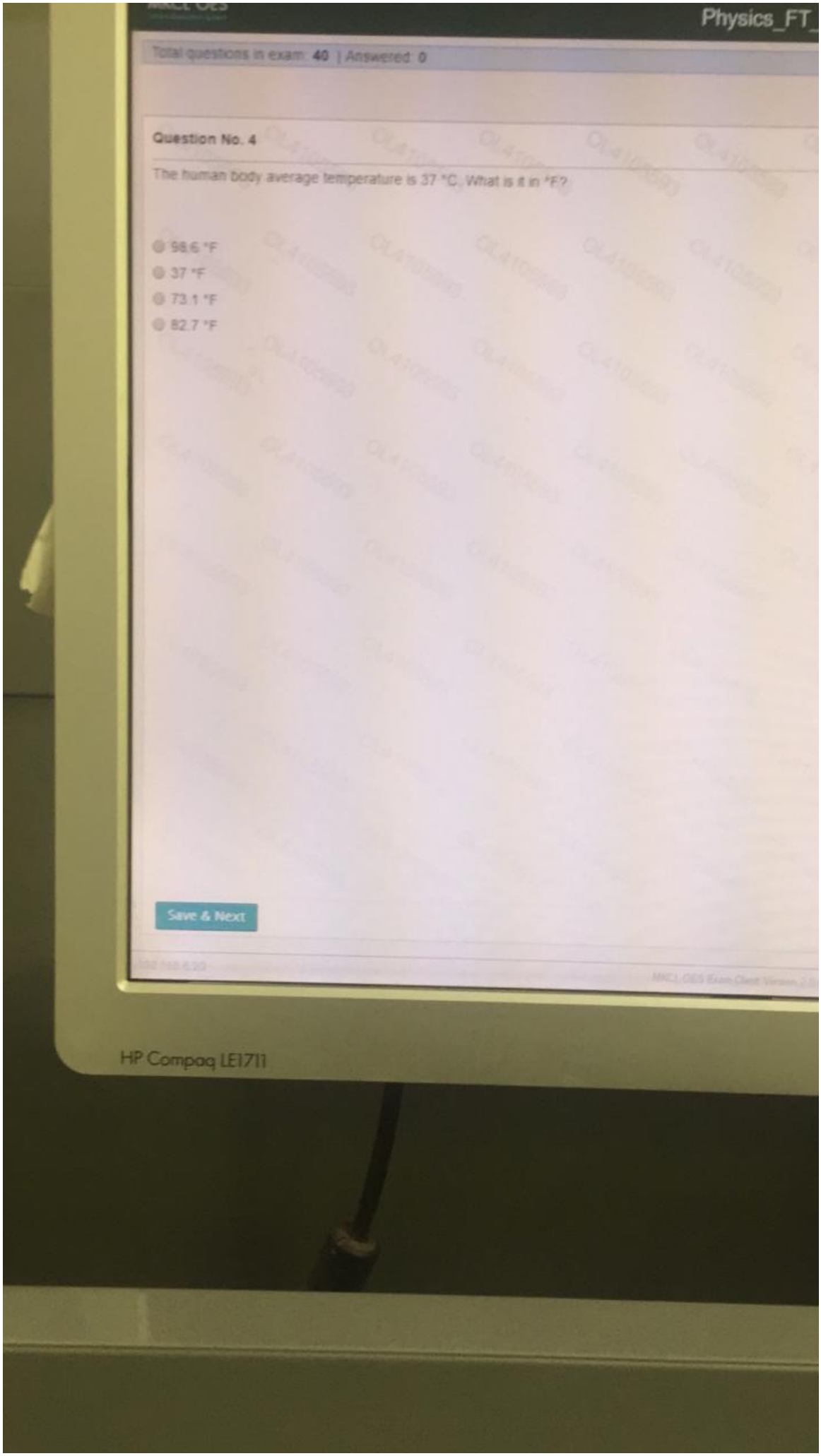
Question No. 6

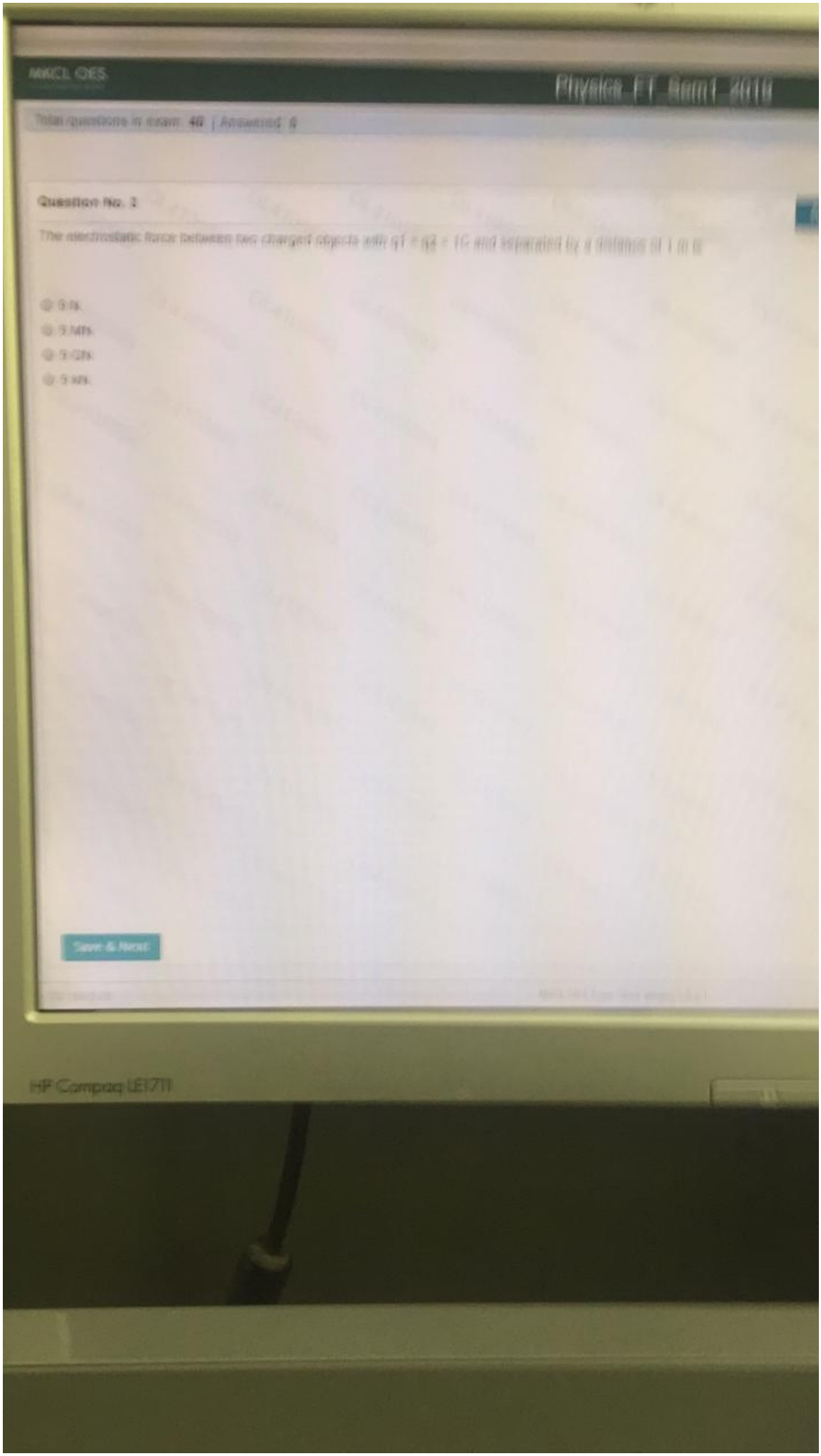
If a virtual image is formed 10.0 cm behind a convex mirror of focal length −15.0 cm, how far is the object from the mi

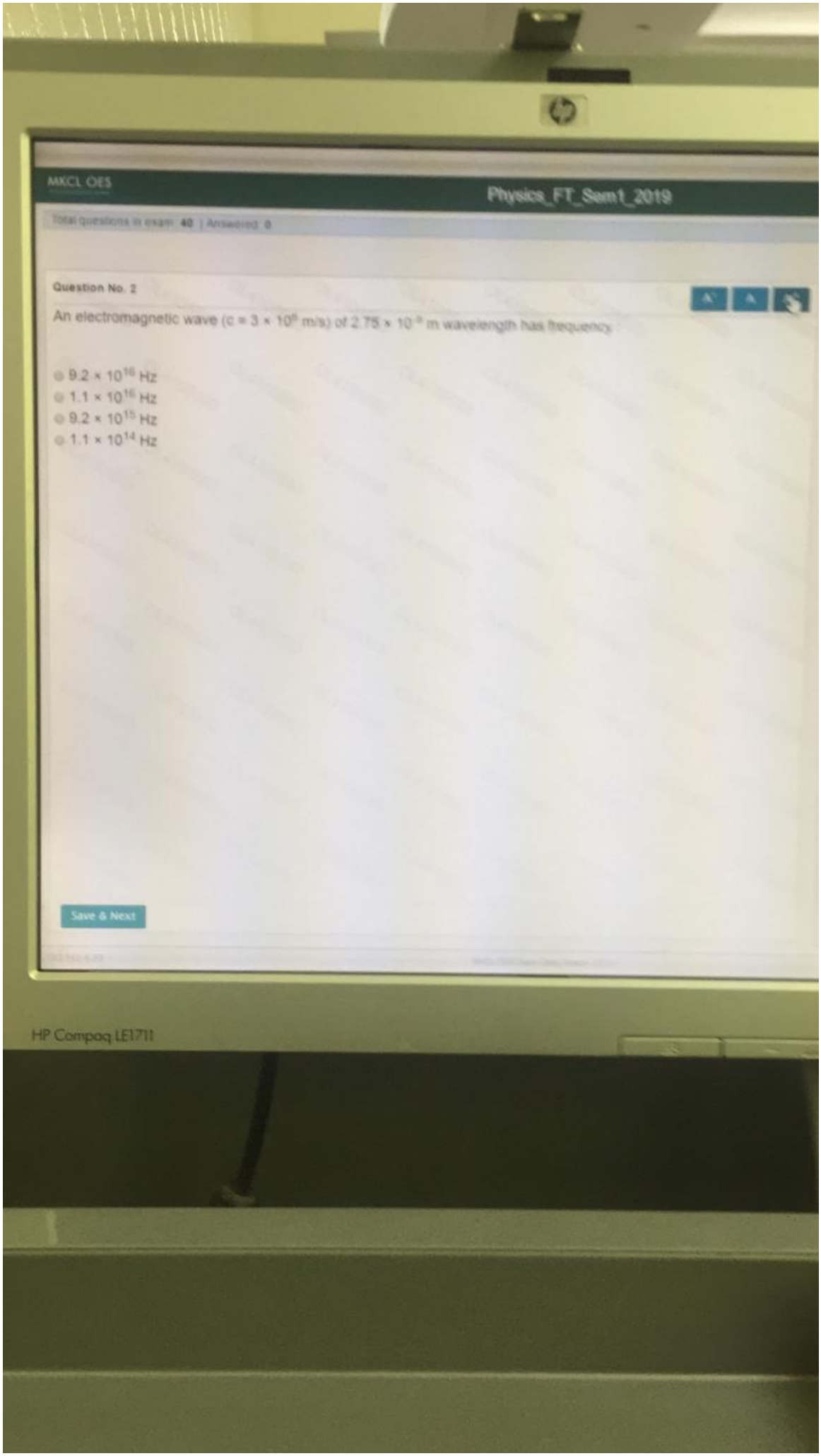
- 3.00 cm
- 10.0 cm
- 6.00 cm
- 30.0 cm

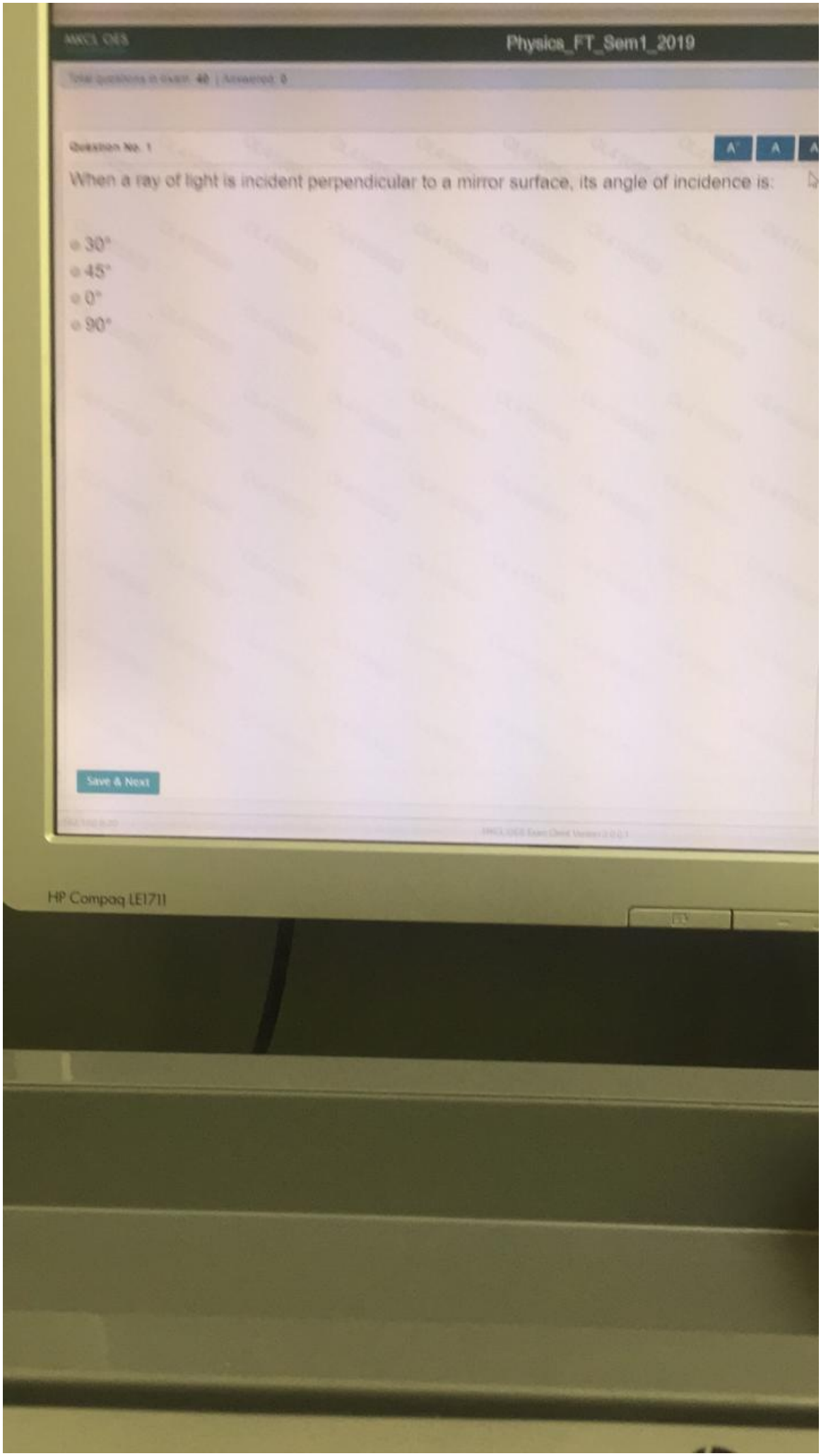
Save & Next

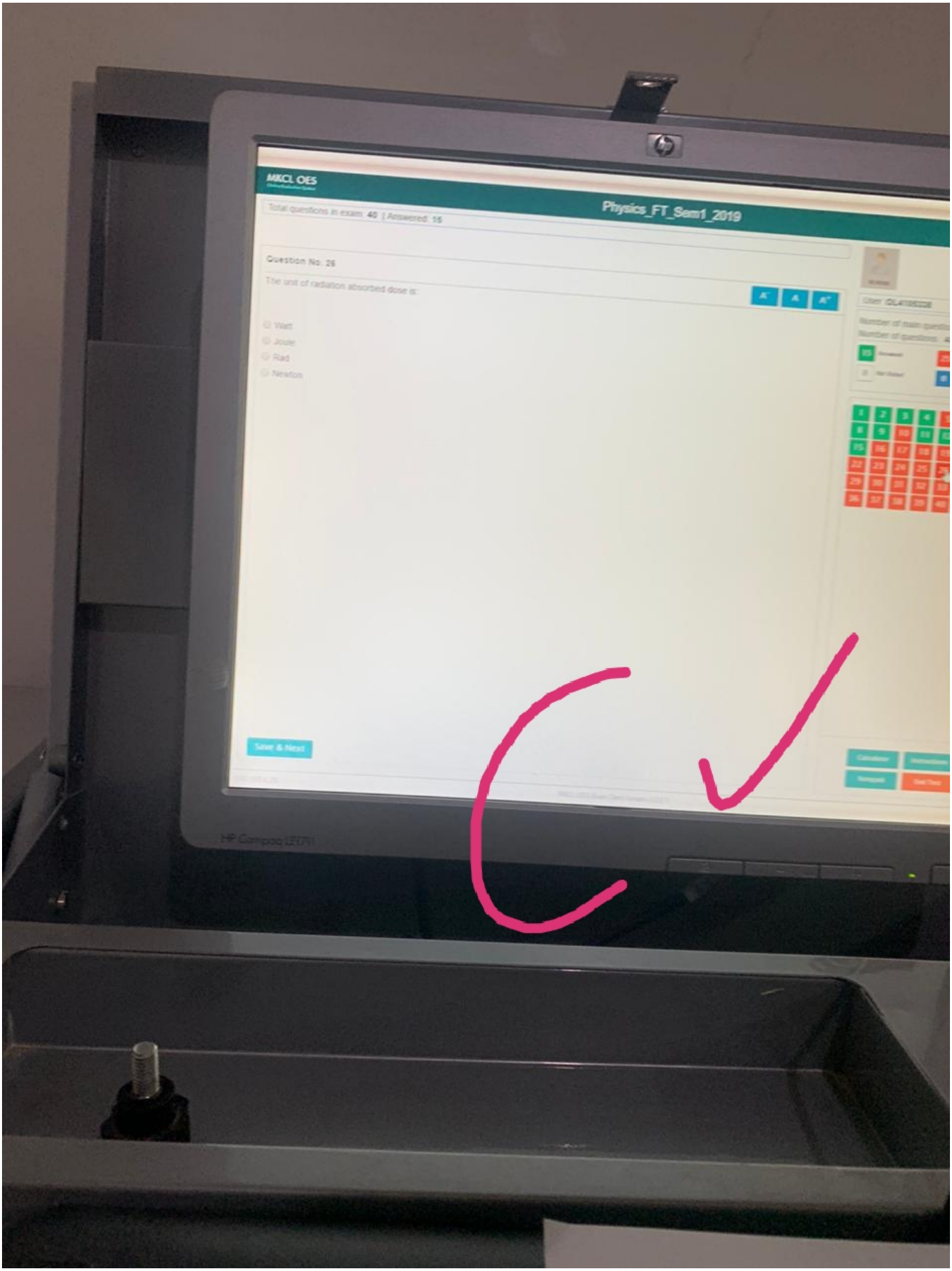
HP Compaq LE1711

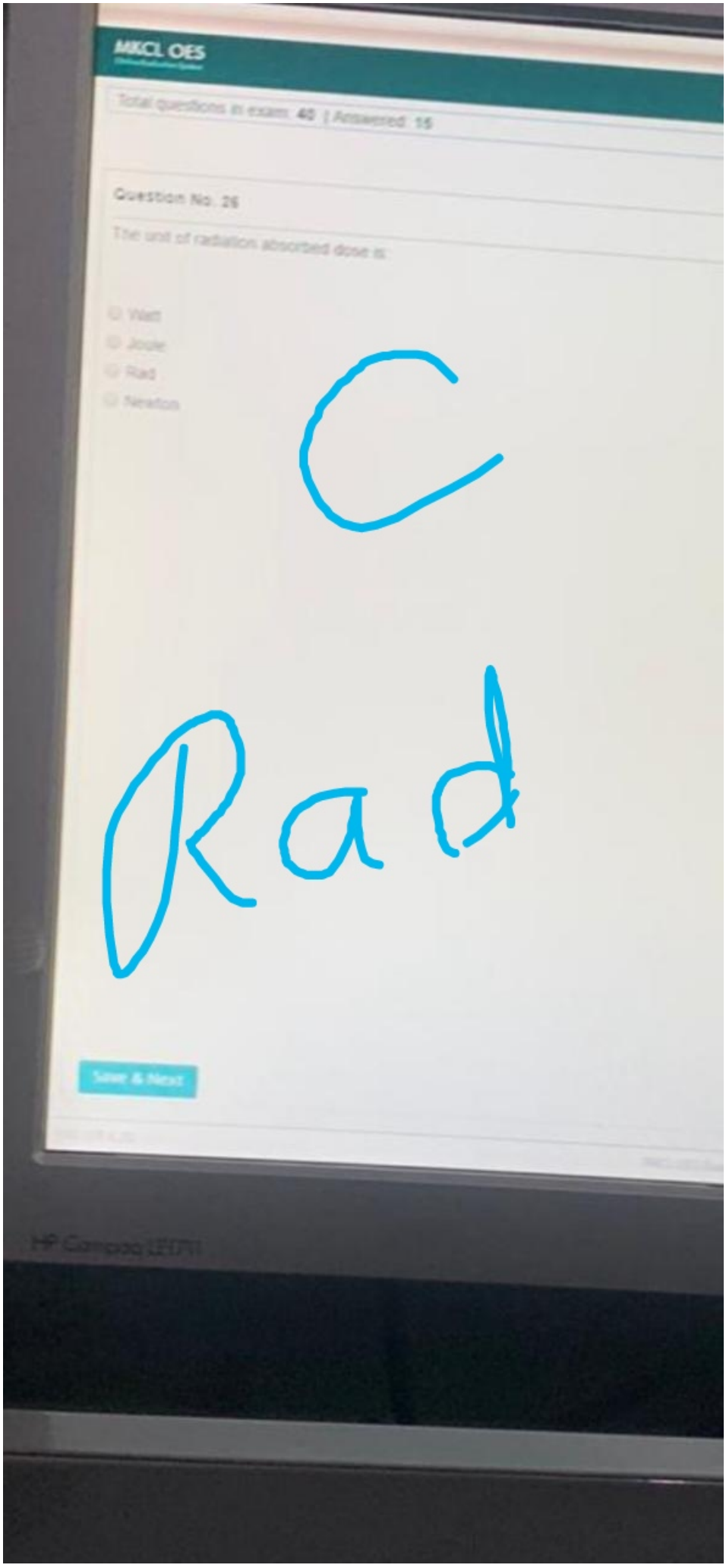

Physics_FT
Total questions in exam: 40 | Answered: 0
Question No. 4
The human body average temperature is 37 °C. What is it in °F?
98.6 °F
37 °F
73.1 °F
82.7 °F
Save & Next
HP Compaq LE1711

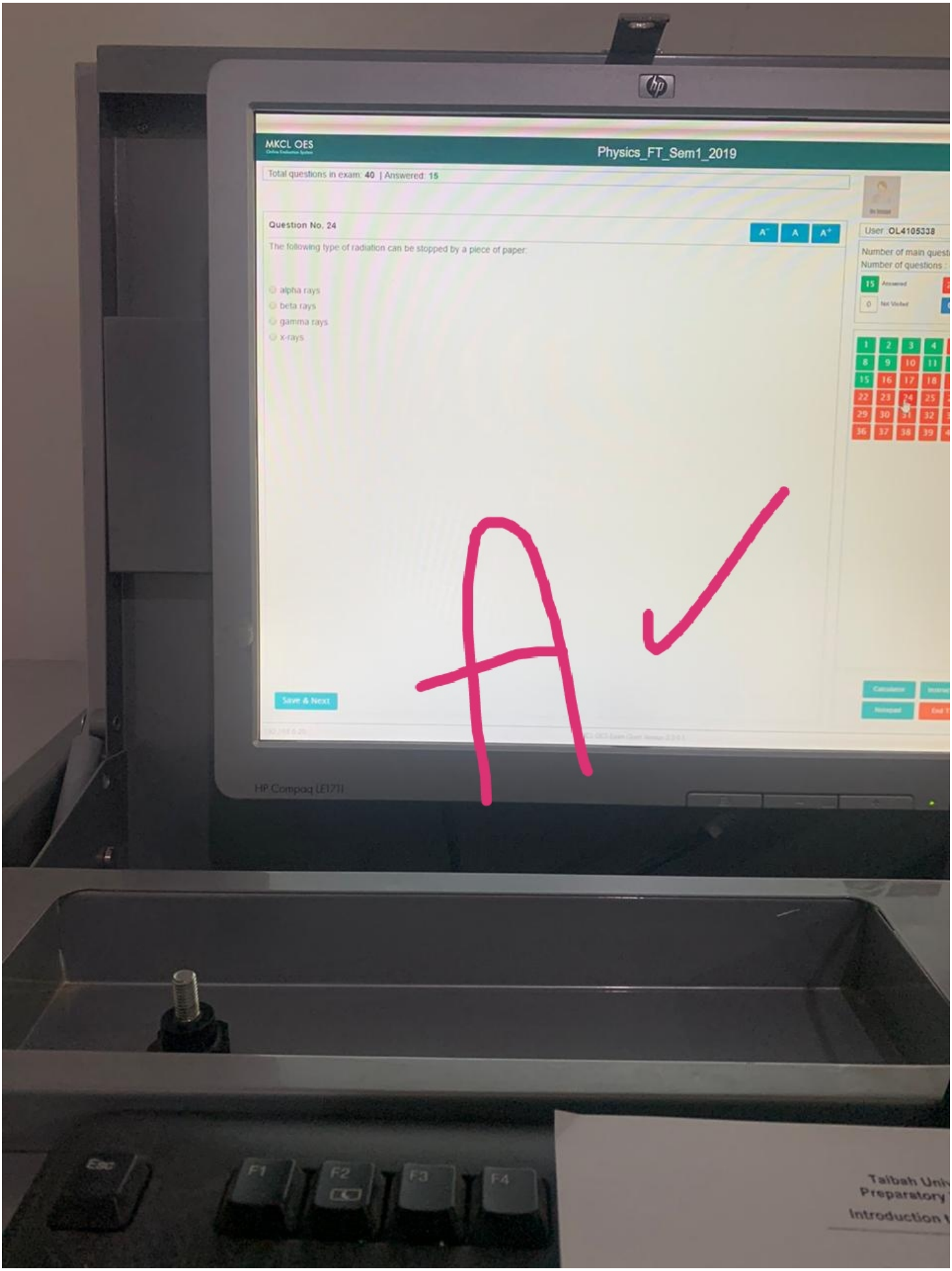

AAKCL QES
Physics FT Sem1 2019
Total questions in exam: 40 | Answered: 0
Question No. 1
Save & Next
HP Compaq LE1711

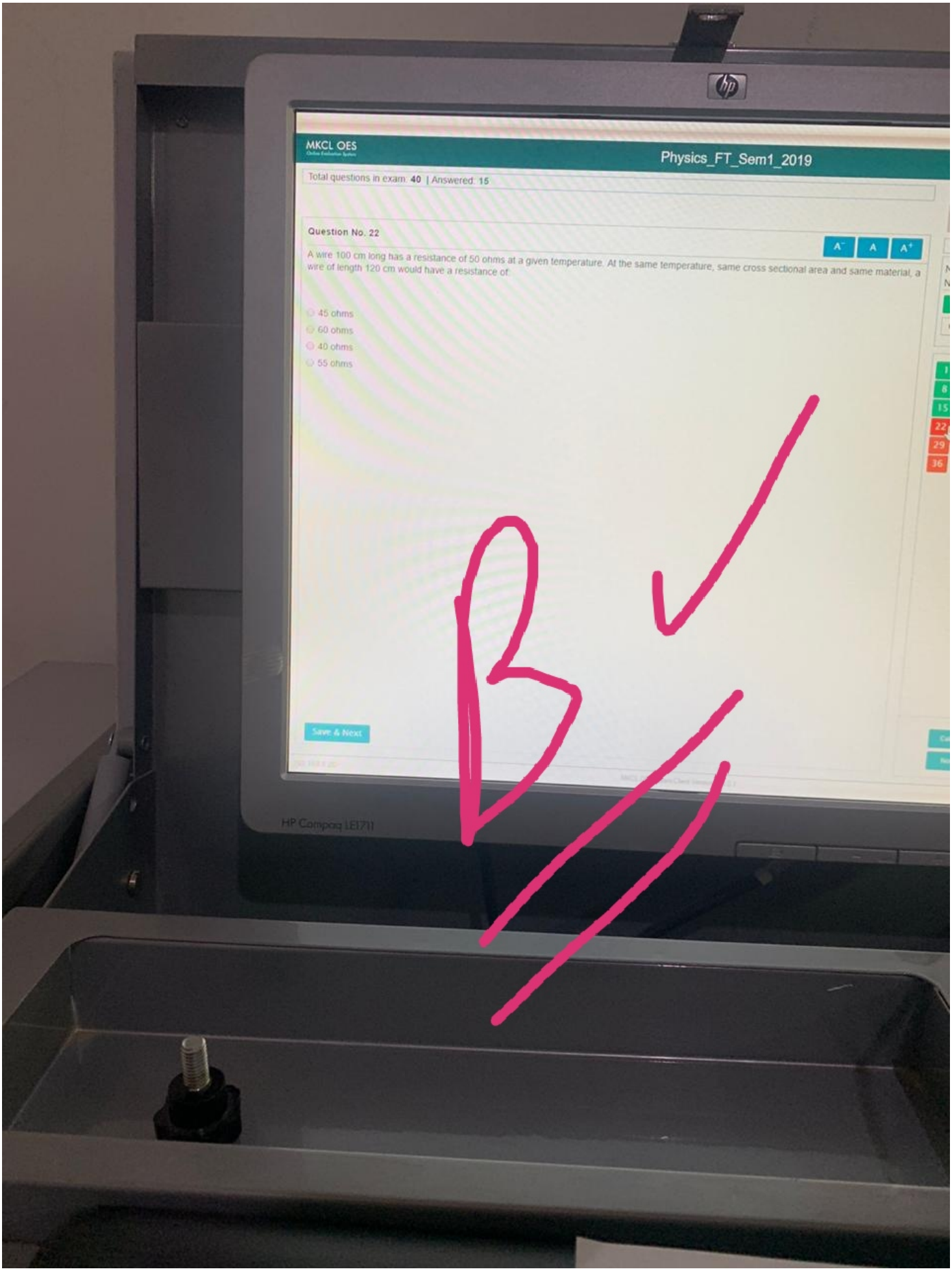

MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 0
Question No. 2
An electromagnetic wave (c = 3 × 10^8 m/s) of 2.75 × 10^-8 m wavelength has frequency
9.2 × 10^16 Hz
1.1 × 10^16 Hz
9.2 × 10^15 Hz
1.1 × 10^14 Hz
Save & Next
HP Compaq LE1711


Physics_FT_Sem1_2019
Question No. 1
When a ray of light is incident perpendicular to a mirror surface, its angle of incidence is:
30°
45°
0°
90°
Save & Next
HP Compaq LE1711


MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 15
Question No: 26
The unit of radiation absorbed dose is:
Watt
Joule
Rad
Newton
Save & Next


MKCL OES
Total questions in exam: 40 | Answered: 15
Question No. 26
The unit of radiation absorbed dose is:
Watt
Joule
Rad
Newton
C
Rad
Save & Next
HP Compaq LE1711


MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 15
Question No. 24
The following type of radiation can be stopped by a piece of paper:
alpha rays
beta rays
gamma rays
x-rays
User :OL4105338
Save & Next
A
HP Compaq LE1711


MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 15
Question No. 22
A wire 100 cm long has a resistance of 50 ohms at a given temperature. At the same temperature, same cross sectional area and same material, a wire of length 120 cm would have a resistance of:
45 ohms
60 ohms
40 ohms
55 ohms
Save & Next
HP Compaq LE1711

MKCL OES
Online Evaluation System

Physics_FT_Sem1_2019

Total questions in exam: **40** | Answered: **0**

Question No. 2

A⁻ A A

The half-life of Cs-137 isotope is 30 years. If the initial amount of this isotope is 50 units, the remaining radioactive amount of this isotope at the end of 30 years will be

- 50
- 12.5
- zero
- 25

D ✓

Physics_FT_Sem1_2019

Total questions in exam: **40** | Answered: **11**

Question No. 19

A⁻ A A⁺

In an electric circuit consisting of two resistances (10 Ω and 5 Ω) connected in series, if the current through the 10-Ω resistance is 2 A, the current through other resistance is:

- 1 A
- 2 A
- 4 A
- 0.5 A

B ✓

User

Numbe
Numbe

11 An

0 Not

1 2
8 9
15 16
22 23
29 30
36 37

A 50 cm spring has an elastic constant k = 0.25 N/cm. If a 10N force is applied on it within its elasticity range, its new length would be:

- 70 cm
- 20 cm
- 90 cm
- 40 cm

Coulomb's force between two charges q1 and q2 separated by a distance r is directly proportional to:

- q_1q_2
- r^2
- q1 Only
- q2 Only

Numb
Numb

20

1

8

15

22

Total questions in exam: **40** | Answered: **11**

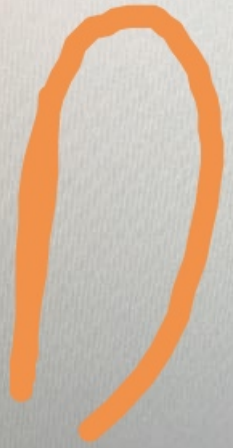
Physics_FT_Sem1_2019

Question No. 18

A⁻ A A⁺

If one thousand identical resistances that are connected in series have an equivalent resistance of 10 kΩ, the value of each resistance is:

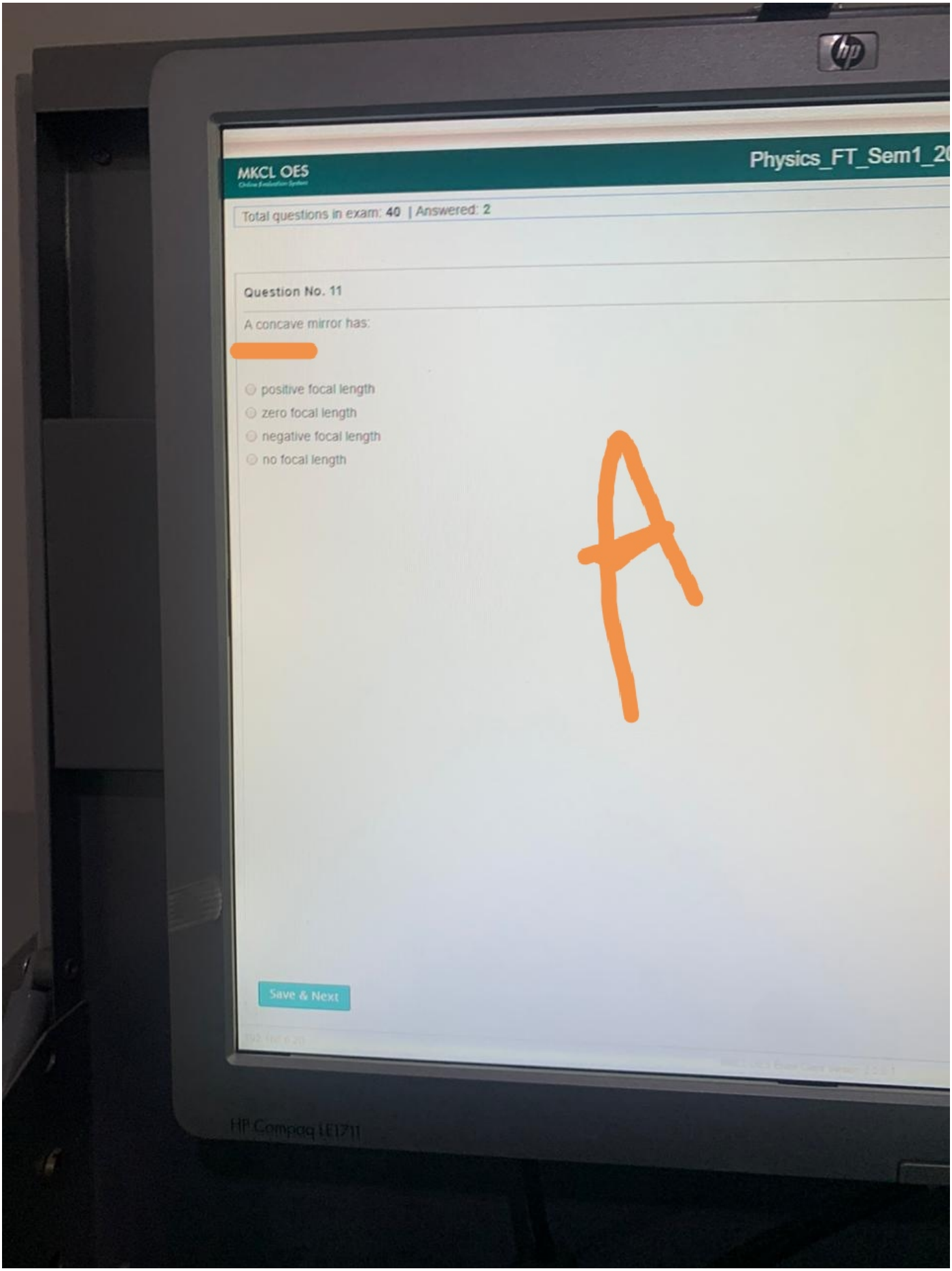
- 1 Ω
- 100 Ω
- 1000 Ω
- 10 Ω

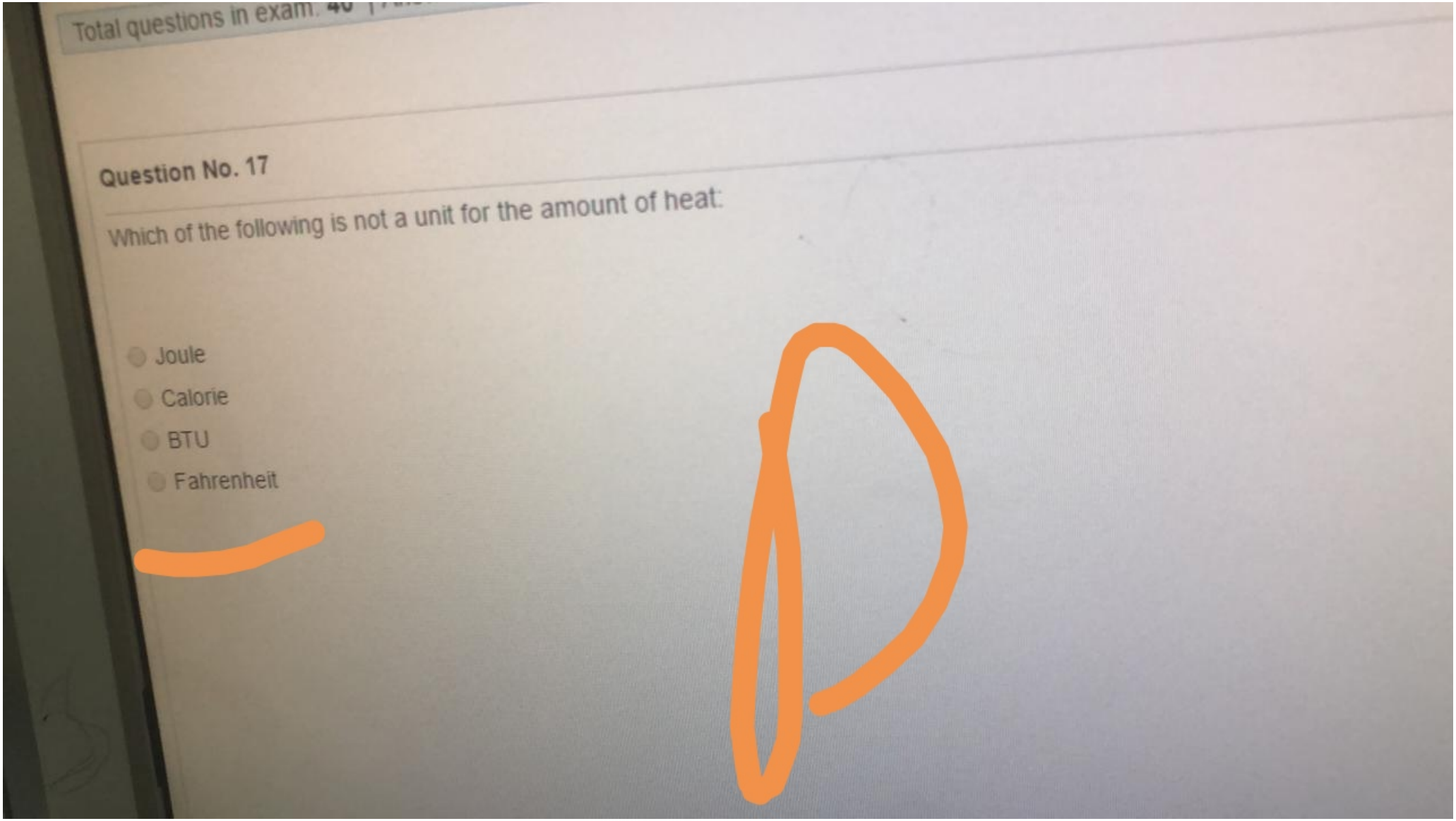


Question No. 16

If a concave mirror of 10.0-cm focal length forms a real image at 50.0 cm from its surface, the distance of the object from the mirror is:

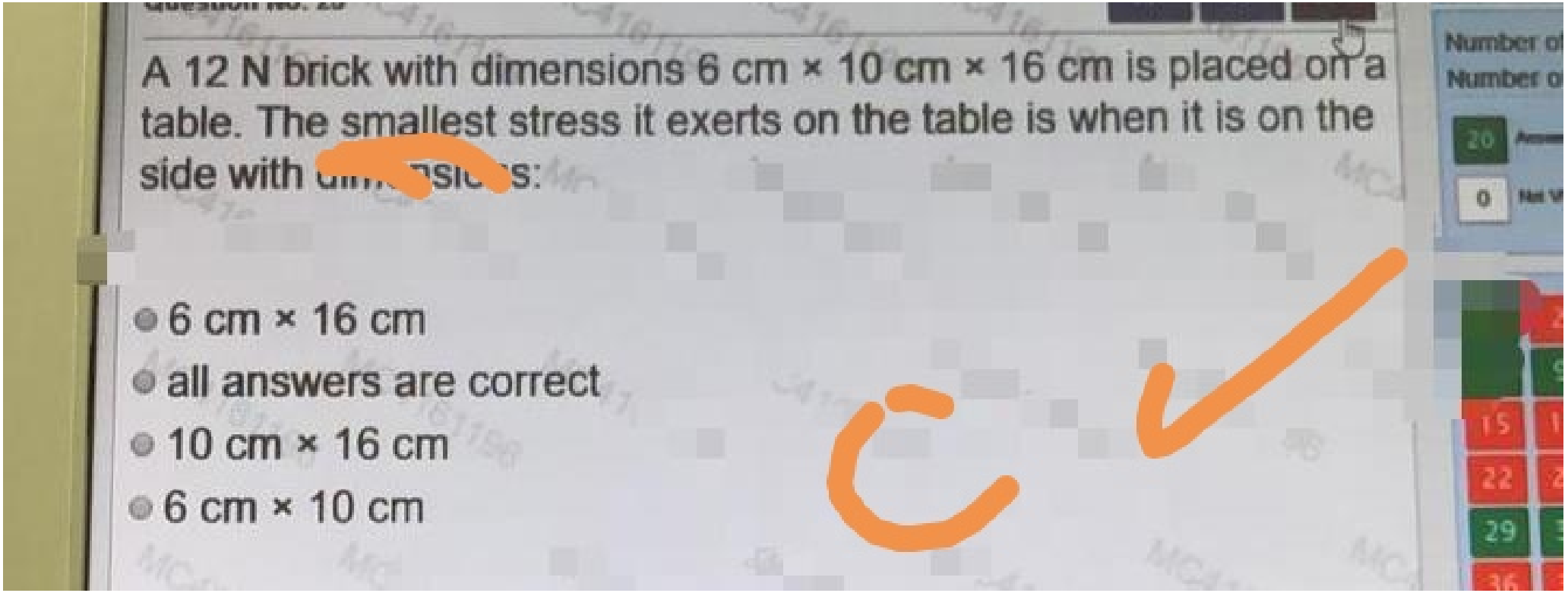
- 25.0 cm
- 40.0 cm
- 50.0 cm
- 12.5 cm

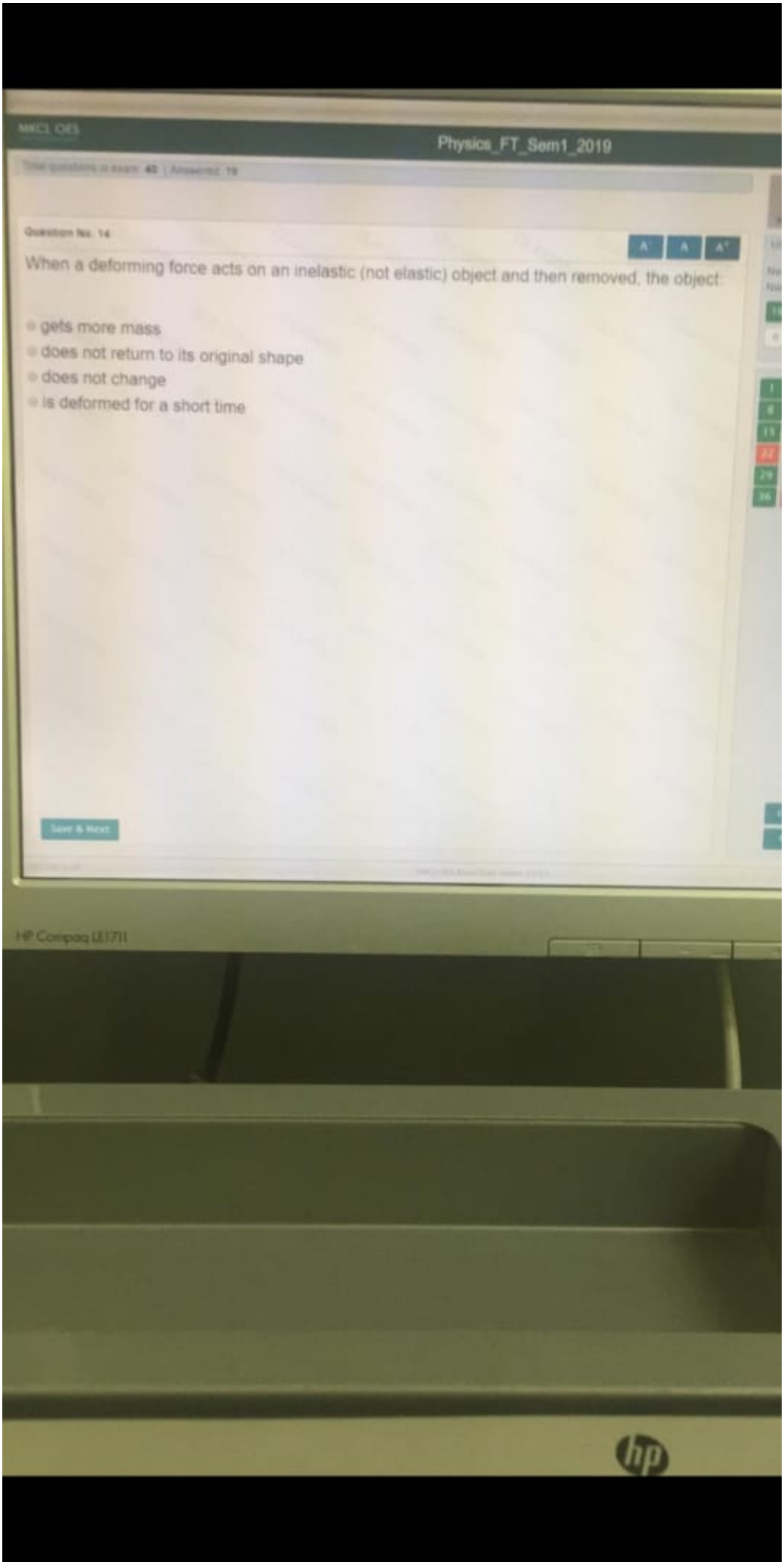

MKCL OES
Physics_FT_Sem1_2
Total questions in exam: 40 | Answered: 2
Question No. 11
A concave mirror has:
positive focal length
zero focal length
negative focal length
no focal length
A
Save & Next
HP Compaq LE1711

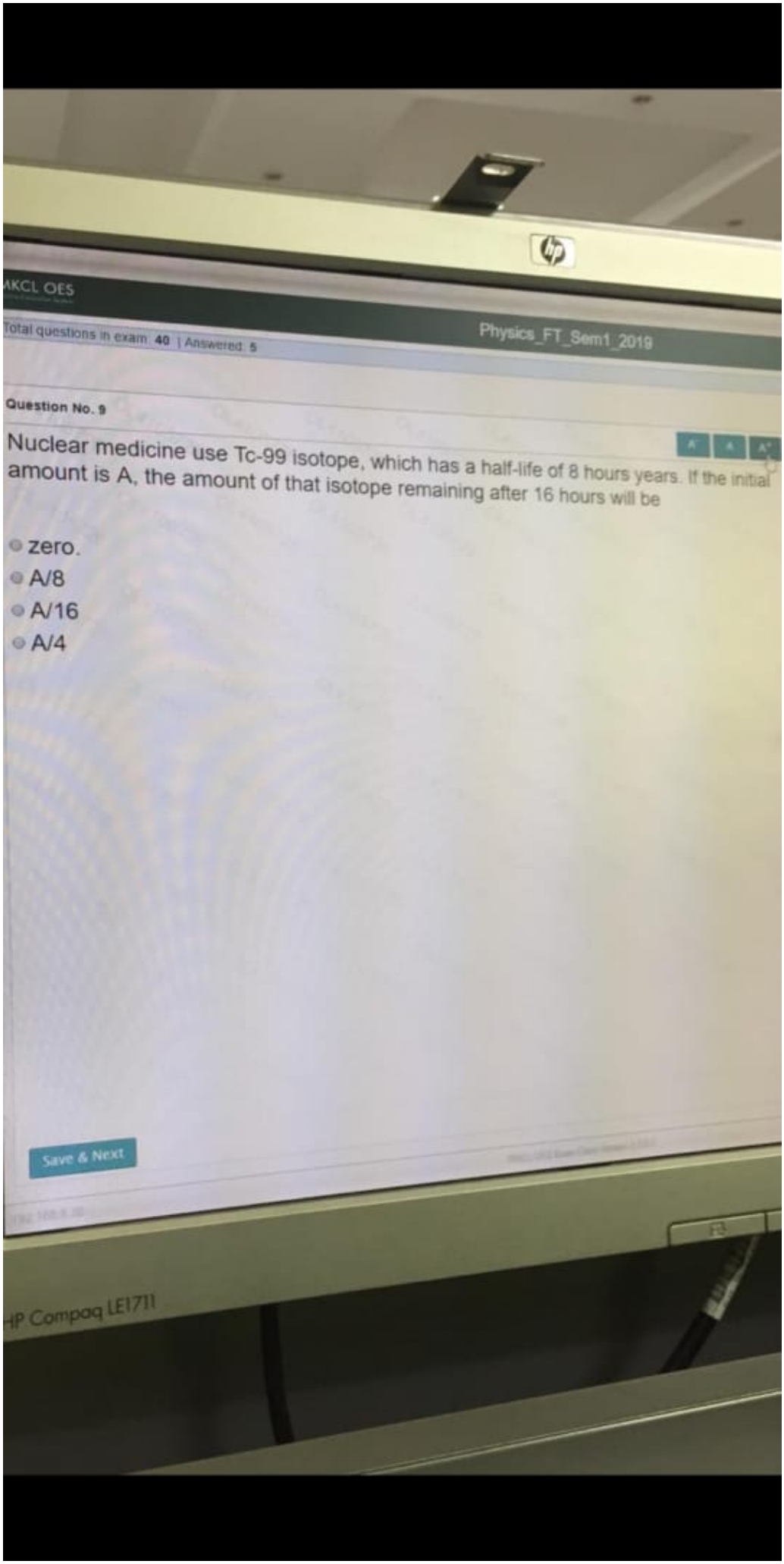

Total questions in exam:
Question No. 17
Which of the following is not a unit for the amount of heat:
Joule
Calorie
BTU
Fahrenheit

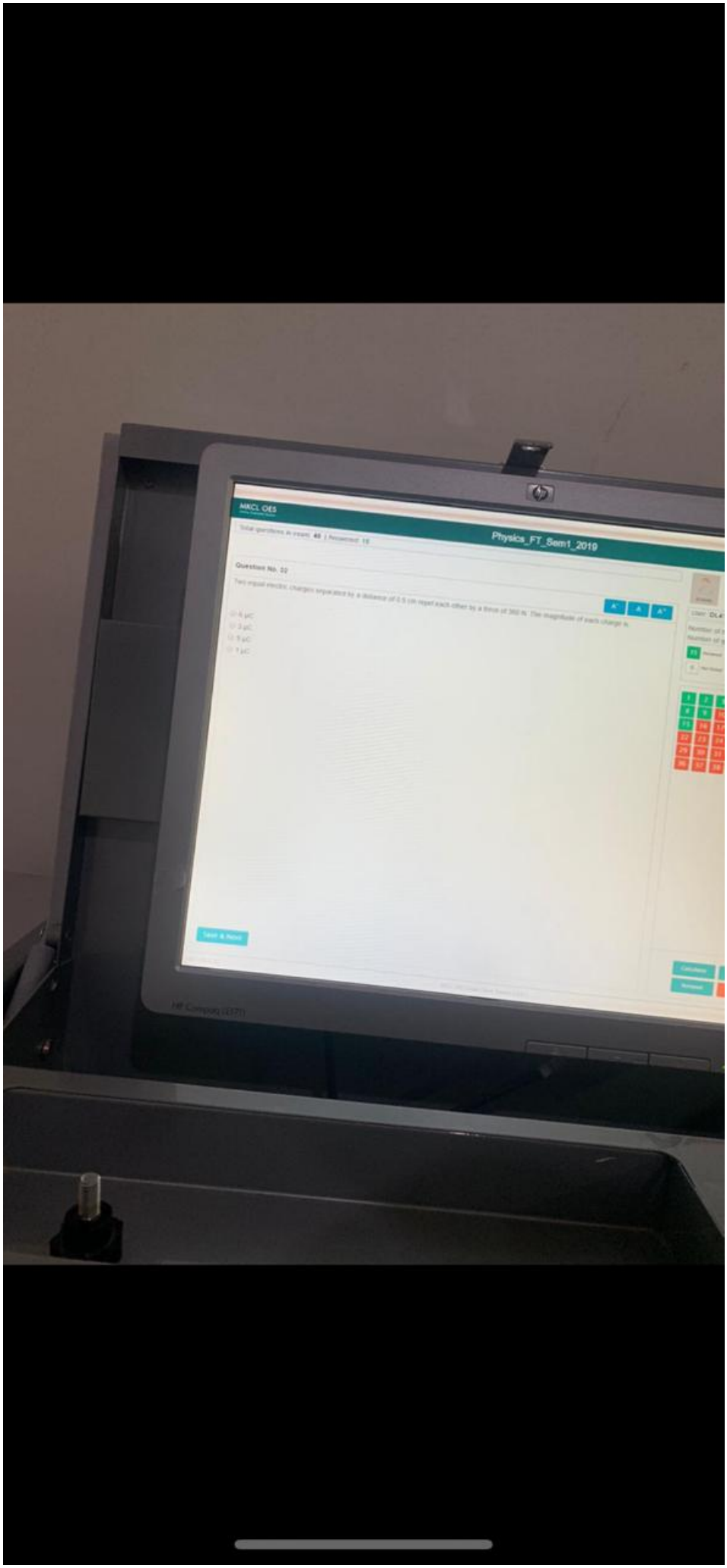
A 12 N brick with dimensions 6 cm × 10 cm × 16 cm is placed on a table. The smallest stress it exerts on the table is when it is on the side with dimensions:

- 6 cm × 16 cm
- all answers are correct
- 10 cm × 16 cm
- 6 cm × 10 cm




Physics_FT_Sem1_2019
Question No. 14
When a deforming force acts on an inelastic (not elastic) object and then removed, the object:
gets more mass
does not return to its original shape
does not change
is deformed for a short time
Save & Next
HP Compaq LE1711


AKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 5
Question No. 9
Nuclear medicine use Tc-99 isotope, which has a half-life of 8 hours years. If the initial amount is A, the amount of that isotope remaining after 16 hours will be
zero.
A/8
A/16
A/4
Save & Next
HP Compaq LE1711


MKCL OES
Physics_FT_Sem1_2019
Question No. 02

12:03 4G

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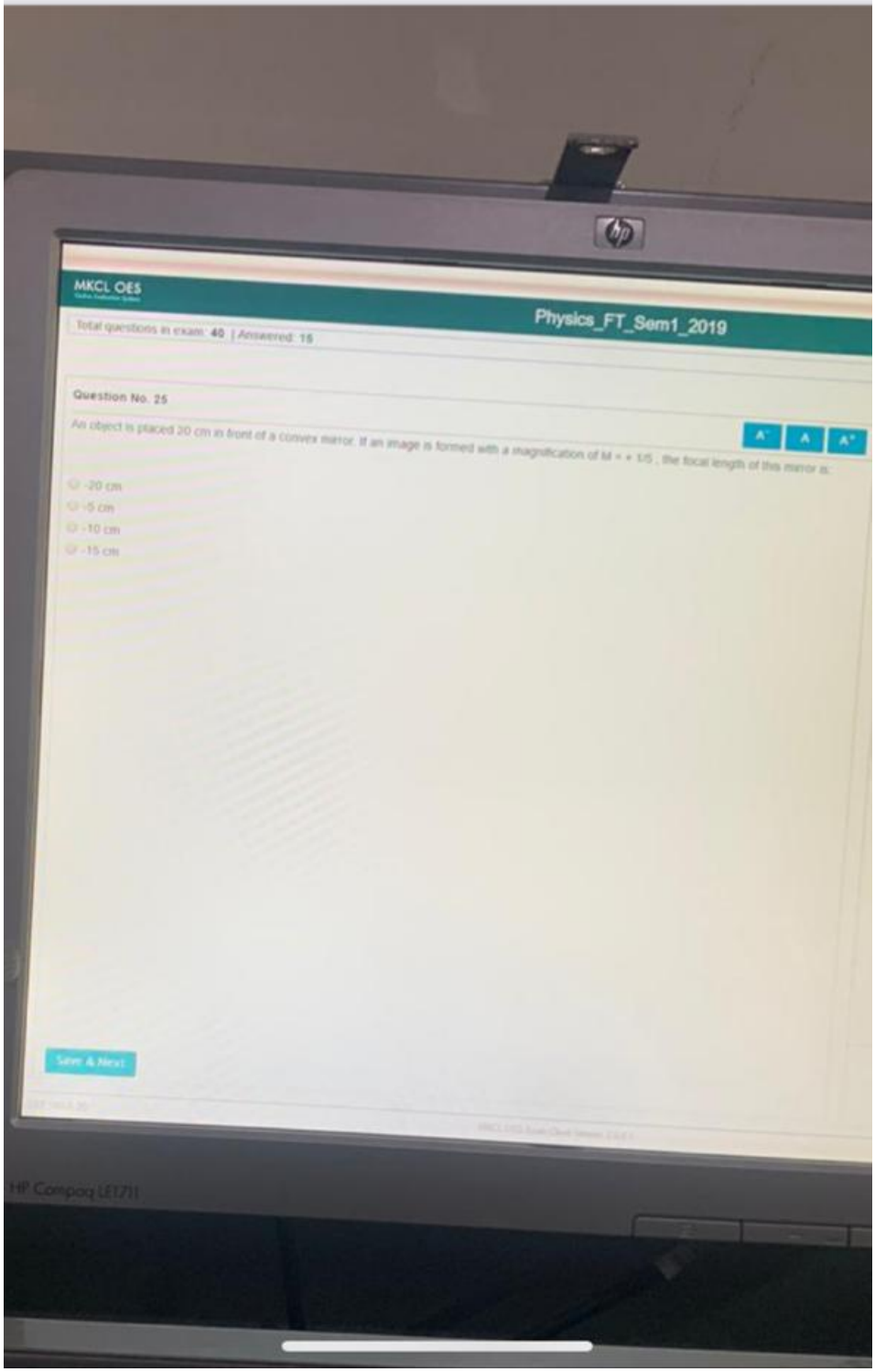
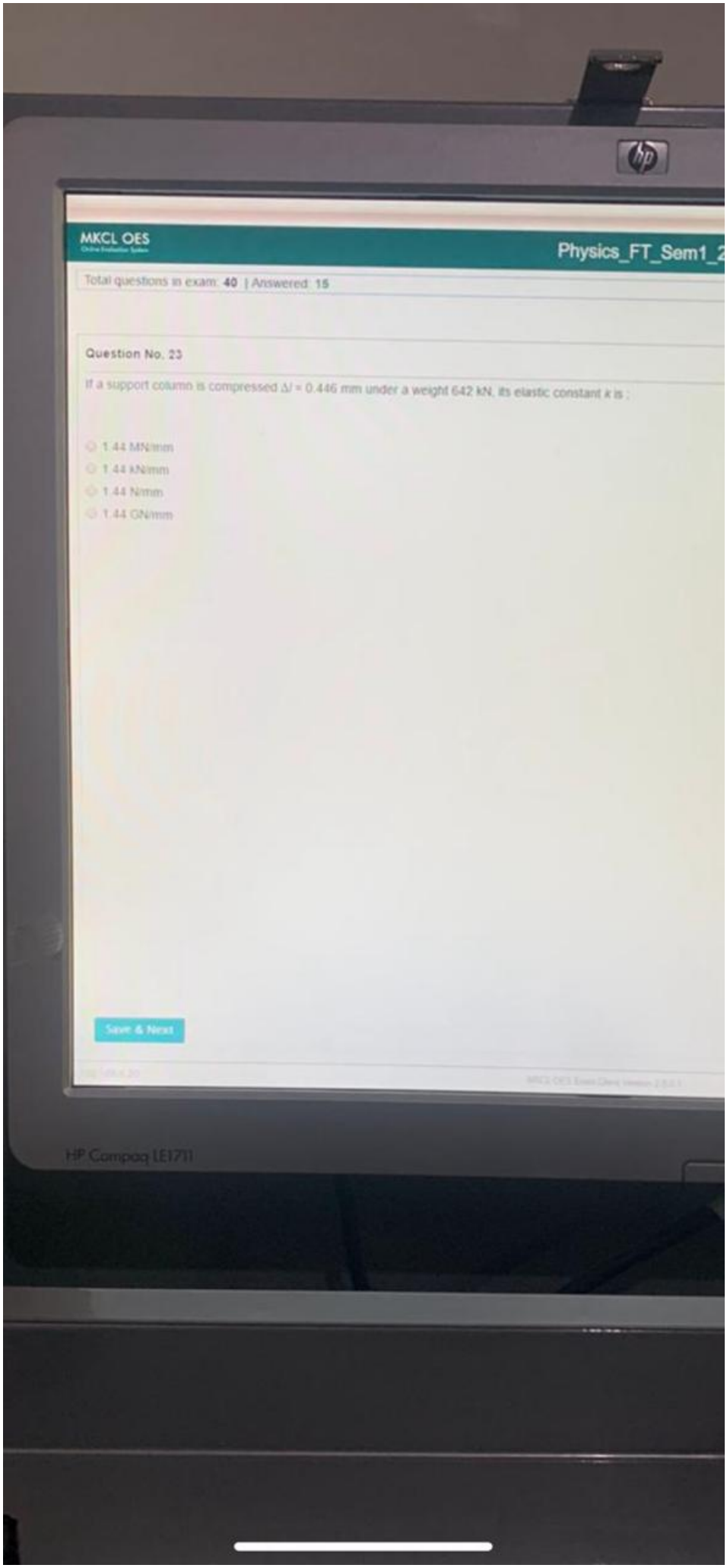
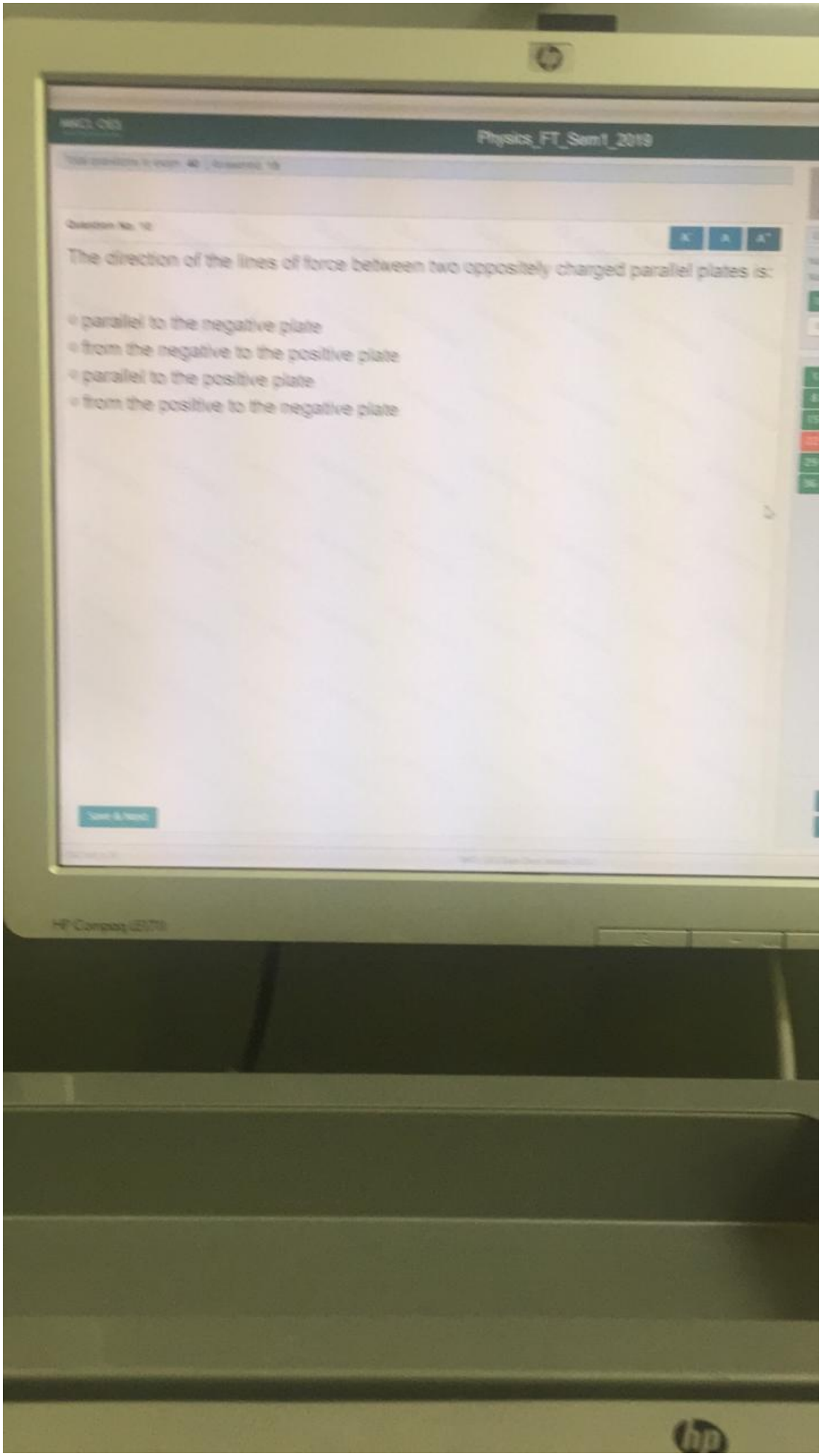



MKCL OES
Physics_FT_Sem1_2
Total questions in exam: 40 | Answered: 15
Question No. 23
If a support column is compressed Δl = 0.446 mm under a weight 642 kN, its elastic constant k is :
1.44 MN/mm
1.44 kN/mm
1.44 N/mm
1.44 GN/mm
Save & Next
HP Compaq LE1711


Physics_FT_Sem1_2019
The direction of the lines of force between two oppositely charged parallel plates is:
parallel to the negative plate
from the negative to the positive plate
parallel to the positive plate
from the positive to the negative plate

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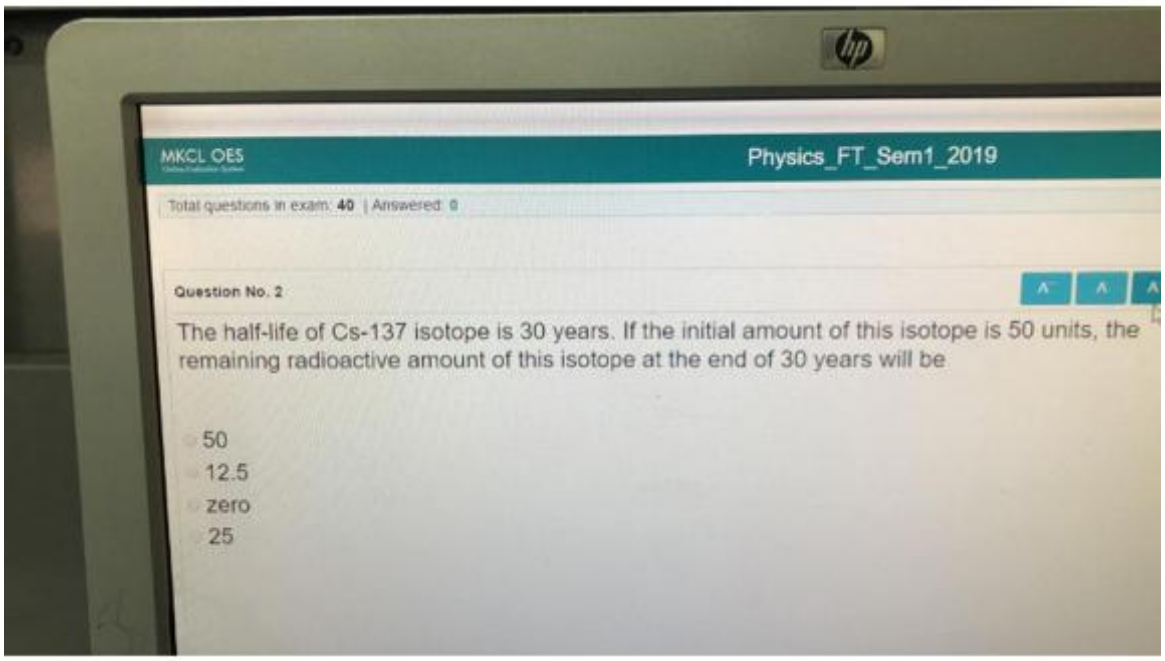
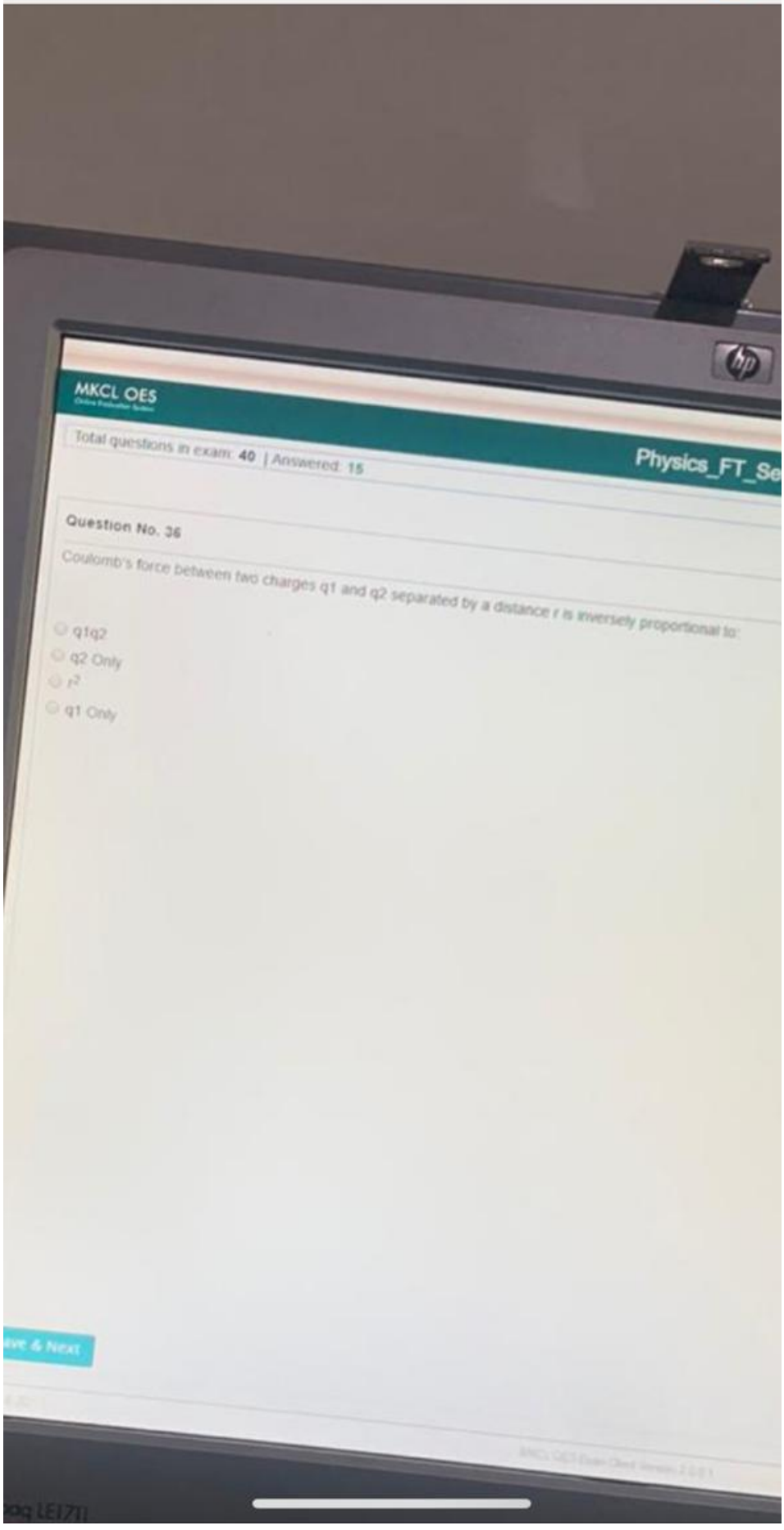
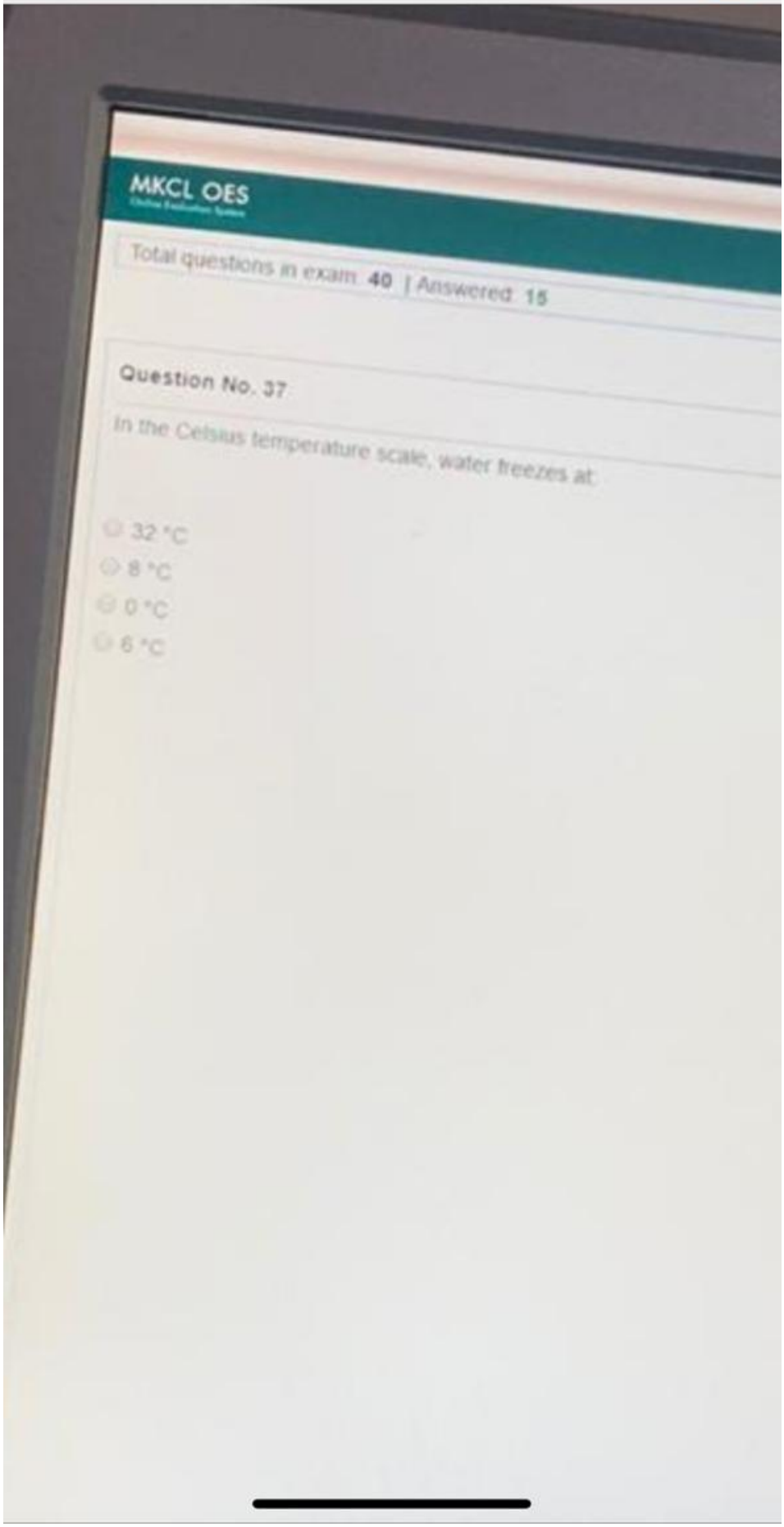
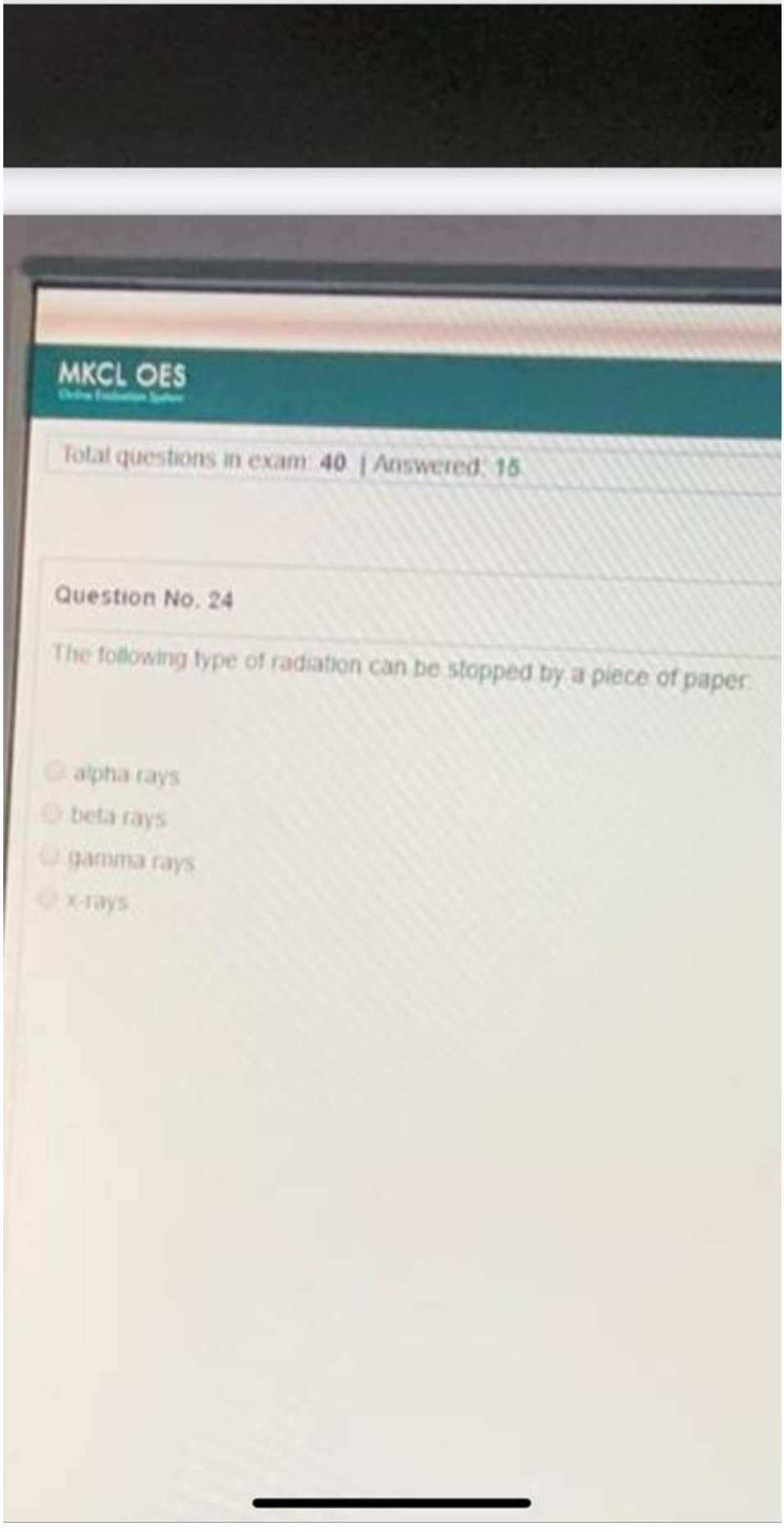
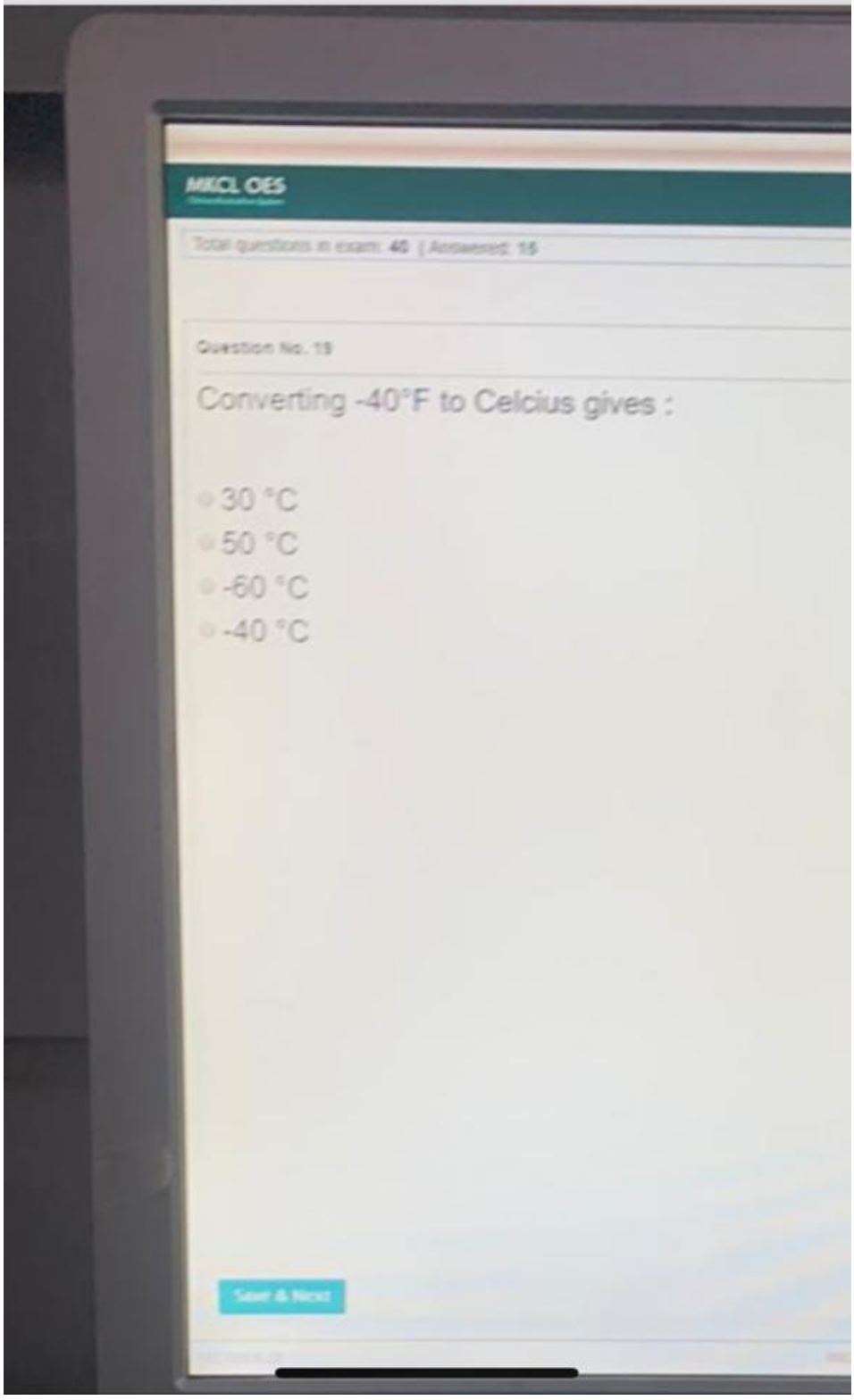
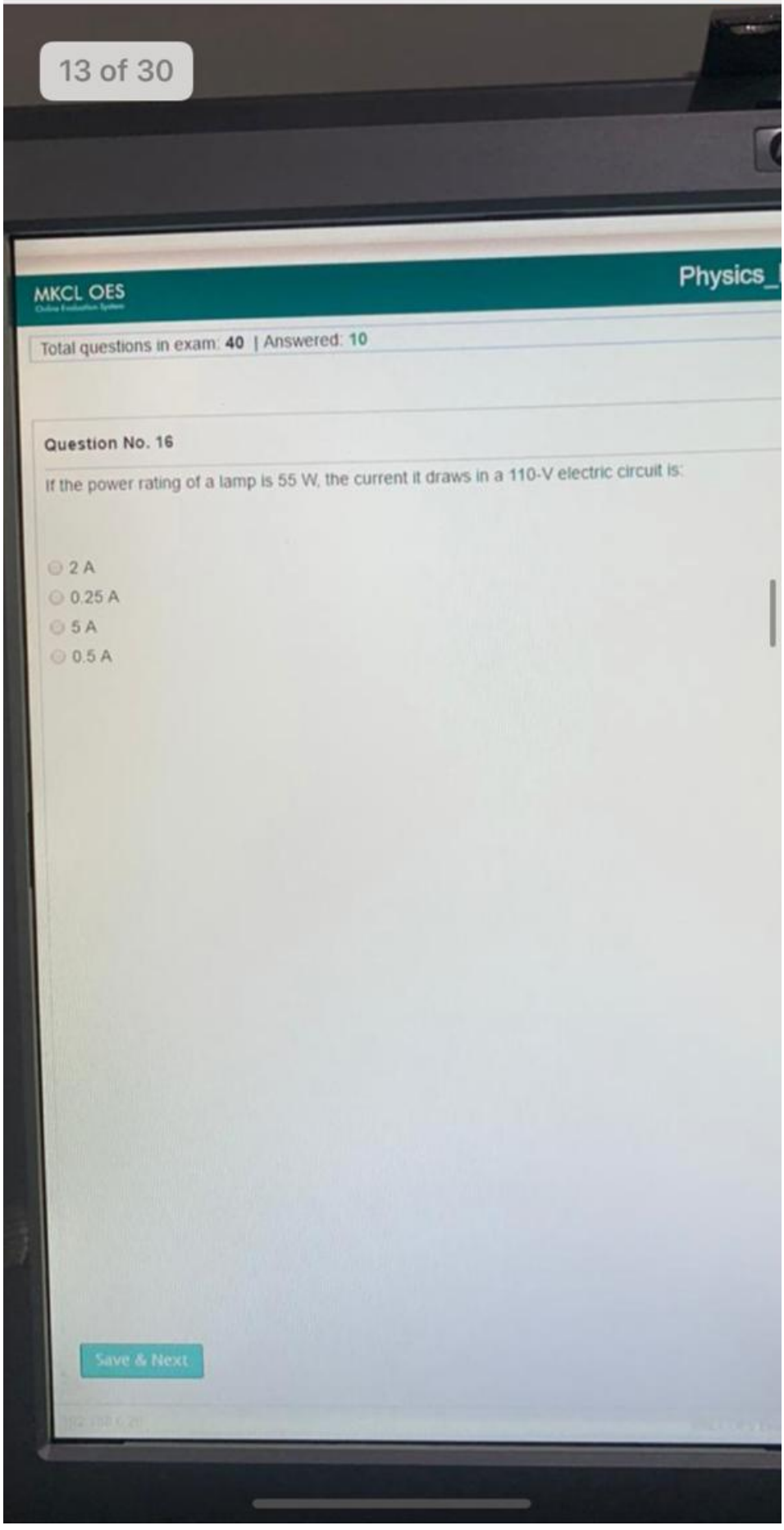



MKCL OES
Total questions in exam: 40 | Answered: 15
Physics_FT_Se
Question No. 36
Coulomb's force between two charges q1 and q2 separated by a distance r is inversely proportional to:
q1q2
q2 Only
r²
q1 Only


MKCL OES
Total questions in exam: 40 | Answered: 15
Question No. 37
In the Celsius temperature scale, water freezes at
32 °C
8 °C
0 °C
6 °C


MKCL OES
Total questions in exam: 40 | Answered: 15
Question No. 24
The following type of radiation can be stopped by a piece of paper.
alpha rays
beta rays
gamma rays
x-rays


MKCL OES
Question No. 19
Converting -40°F to Celcius gives :
30 °C
50 °C
-60 °C
-40 °C
Save & Next


13 of 30
MKCL OES
Physics_
Total questions in exam: 40 | Answered: 10
Question No. 16
If the power rating of a lamp is 55 W, the current it draws in a 110-V electric circuit is:
2 A
0.25 A
5 A
0.5 A
Save & Next

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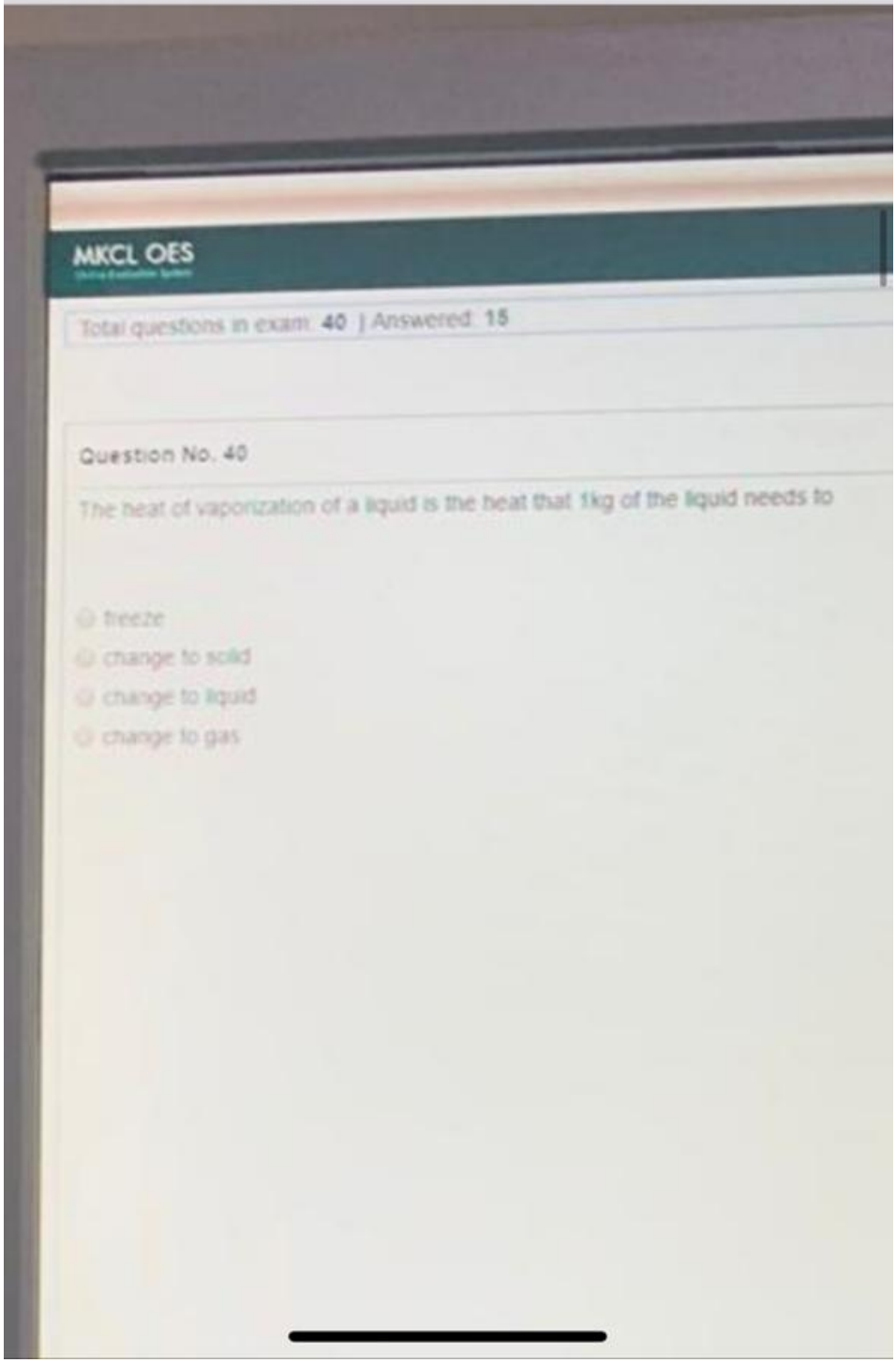
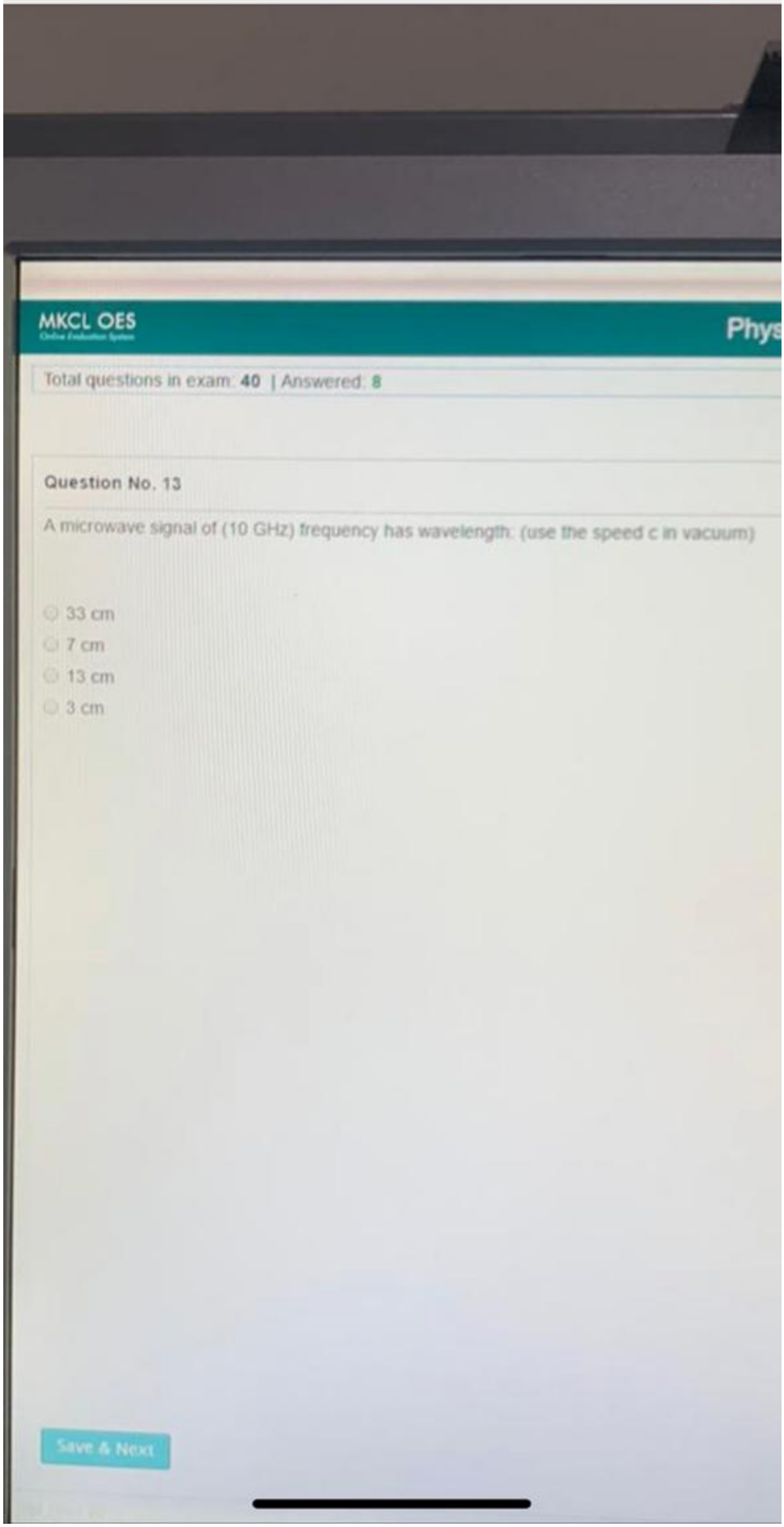
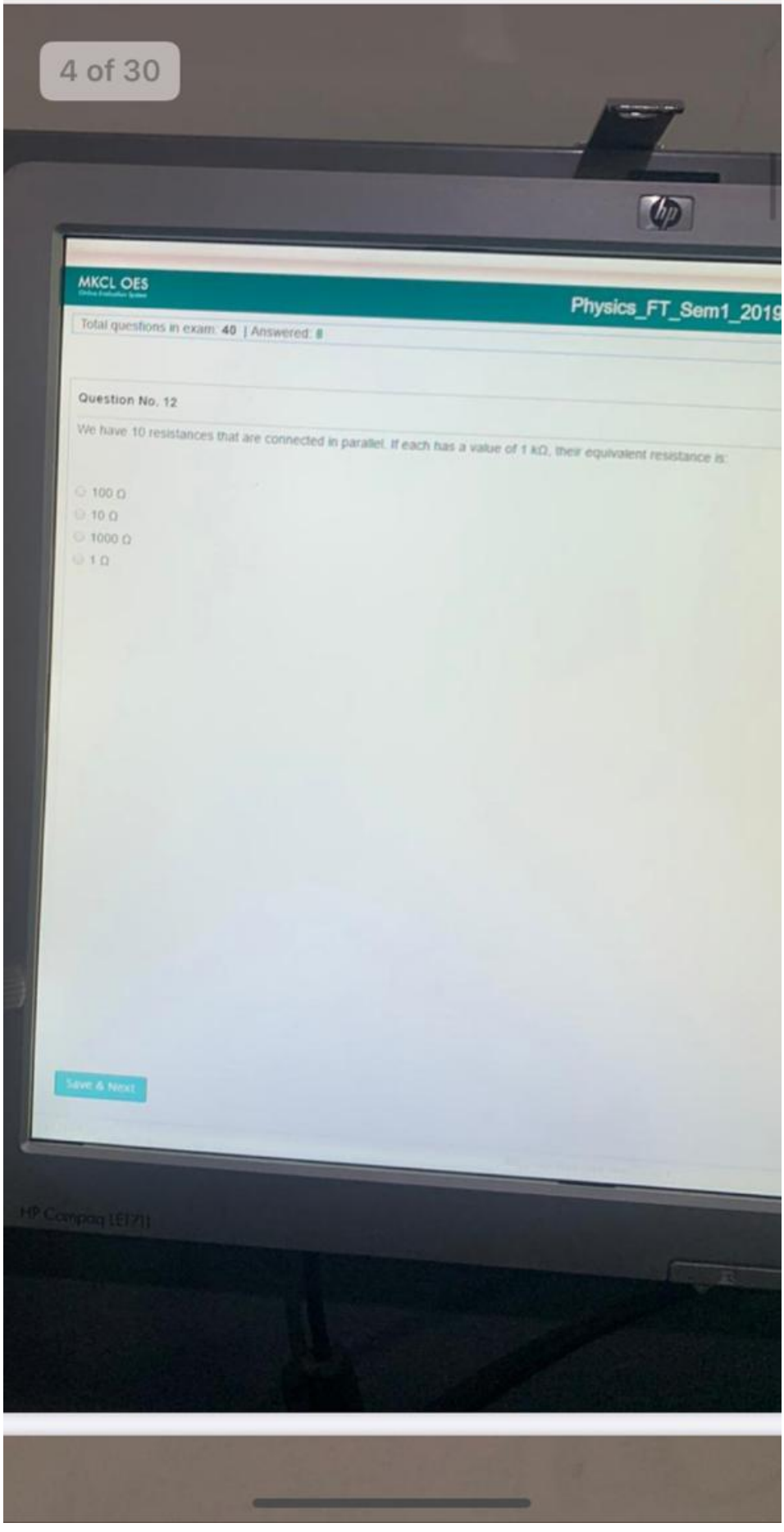



MKCL OES
Phys
Total questions in exam: 40 | Answered: 8
Question No. 13
A microwave signal of (10 GHz) frequency has wavelength: (use the speed c in vacuum)
33 cm
7 cm
13 cm
3 cm
Save & Next

11:57 4G

فيزياء فاينل 2020



MKCL OES

Physics_FT_Sem1_2019

Total questions in exam: 40 | Answered: 33

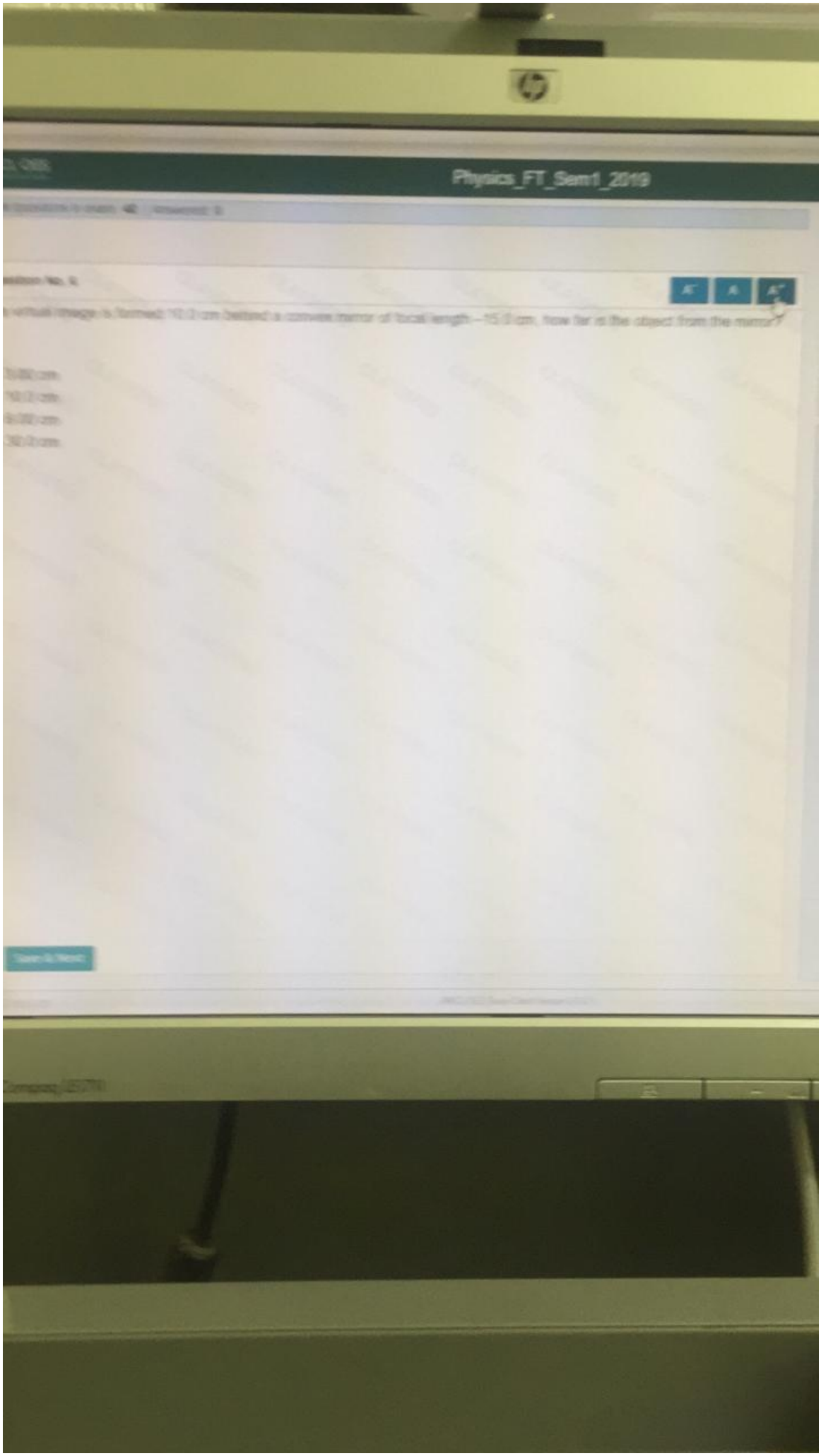
Question No. 3

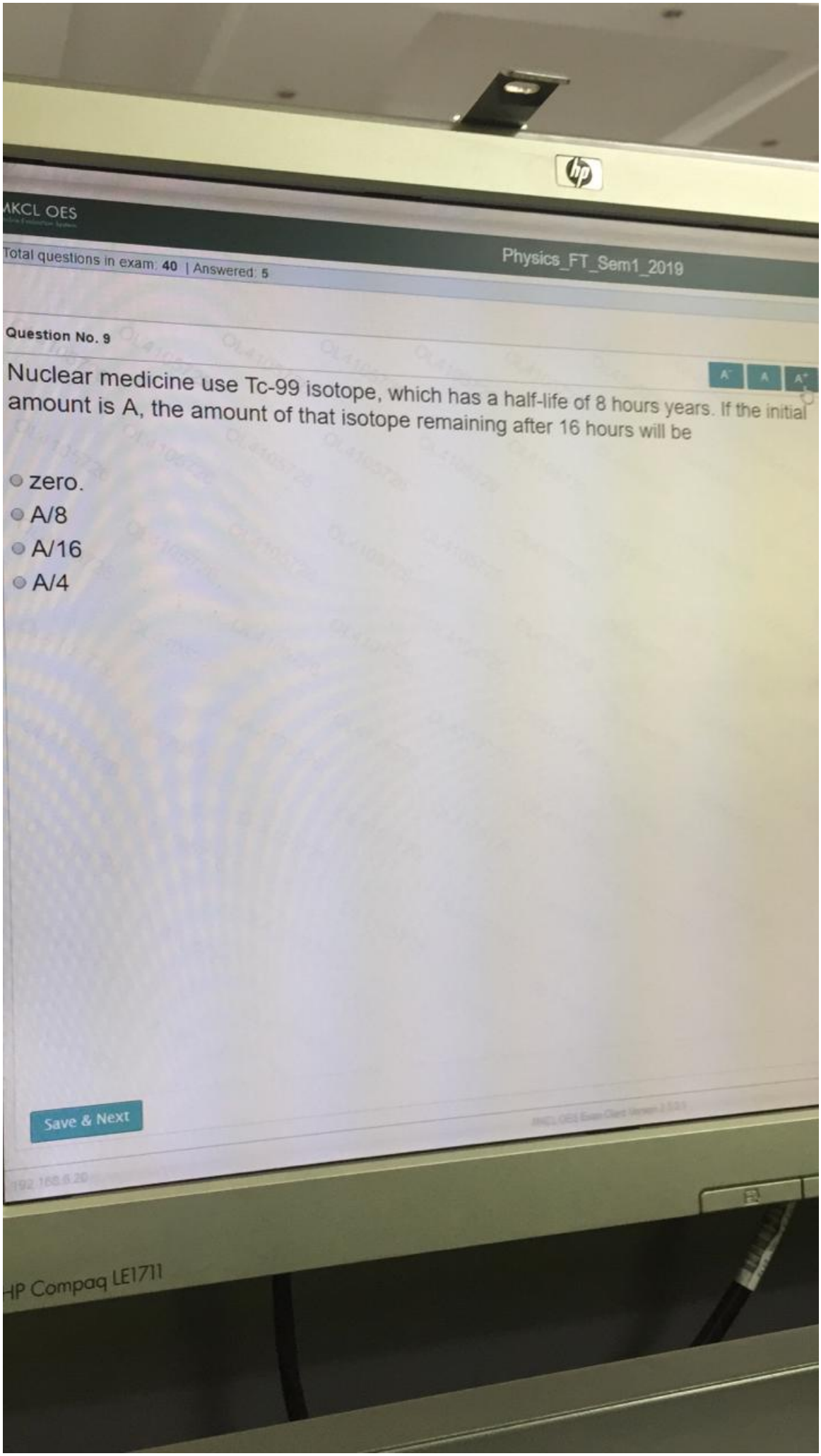
A⁻ A A⁺

In an electric circuit consisting of two resistances (10 Ω and 50 Ω) connected in parallel, if the current through the 10-Ω resistance is 1 A, the current through the 50-Ω resistance is:

- 1/4 A
- 1/5 A
- 1/3 A
- 1/2 A

Save & Next


Physics_FT_Sem1_2019


AKCL OES
Total questions in exam: 40 | Answered: 5
Physics_FT_Sem1_2019
Question No. 9
Nuclear medicine use Tc-99 isotope, which has a half-life of 8 hours years. If the initial amount is A, the amount of that isotope remaining after 16 hours will be
zero.
A/8
A/16
A/4
Save & Next
HP Compaq LE1711

Question No. 37

Gamma rays are not deflected in a magnetic field because they:

- have a negative net charge
- have a very small net charge
- have a positive net charge
- are uncharged

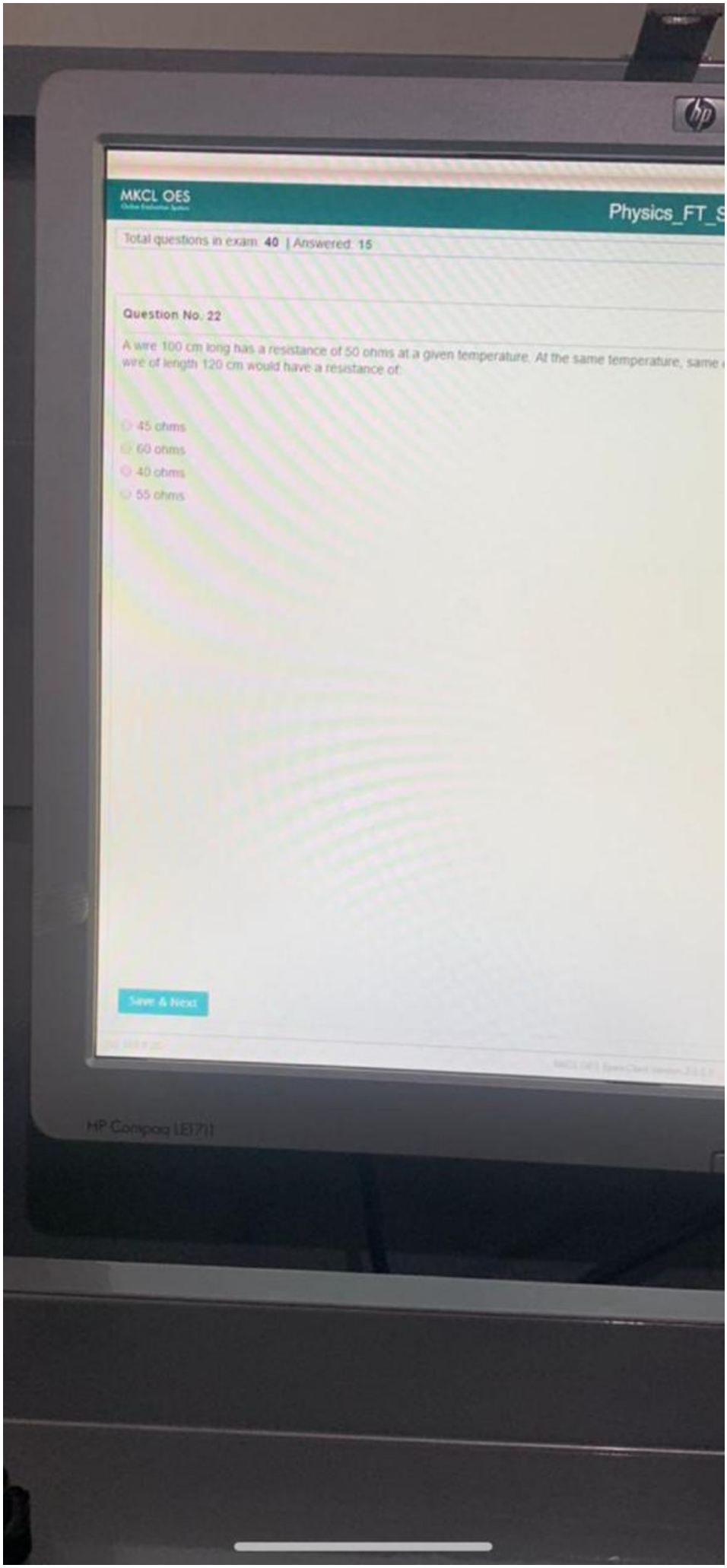
Save & Next

Question No. 39

The weight density of a 10 kg block of wood of dimensions 1 cm × 2 cm × 5 cm is:

- 1000 N/cm^3
- 10 N/cm^3
- 20 N/cm^3
- 1 N/cm^3

Save & Next


MKCL OES
Physics_FT_S
Total questions in exam: 40 | Answered: 15
Question No. 22
A wire 100 cm long has a resistance of 50 ohms at a given temperature. At the same temperature, same
wire of length 120 cm would have a resistance of:
45 ohms
60 ohms
40 ohms
55 ohms
Save & Next
HP Compaq LE1711

MKCL OES
Online Evaluation System

Phy

Total questions in exam: **40** | Answered: **10**

Question No. 16

If the power rating of a lamp is 55 W, the current it draws in a 110-V electric circuit is:

- 2 A
- 0.25 A
- 5 A
- 0.5 A

Save & Next

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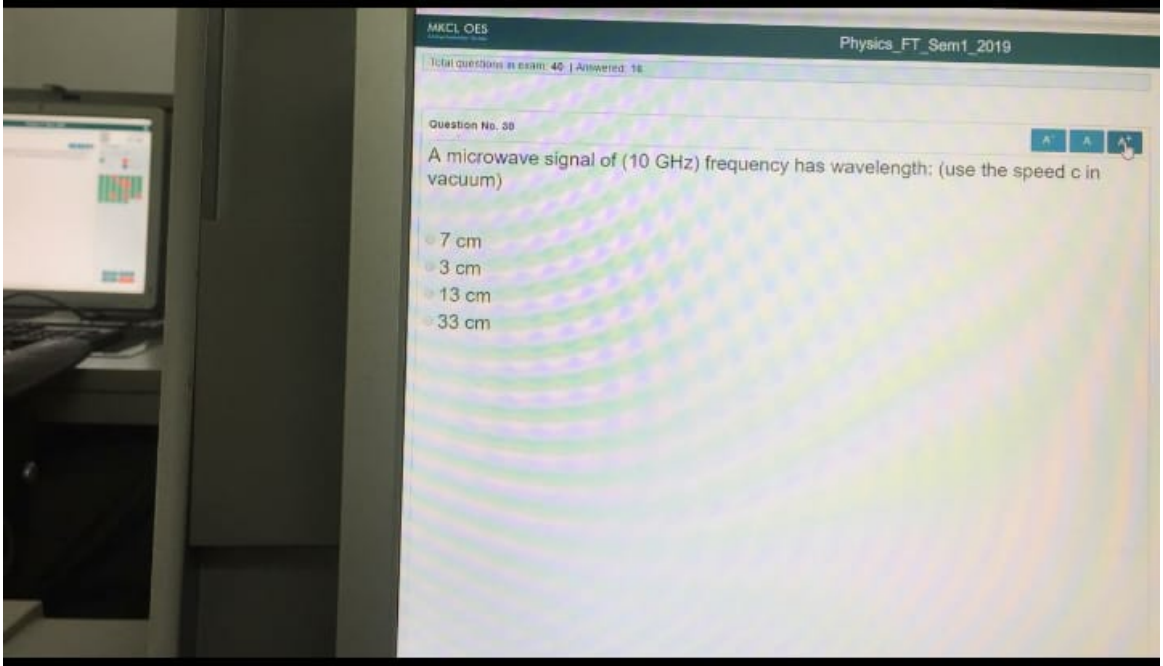
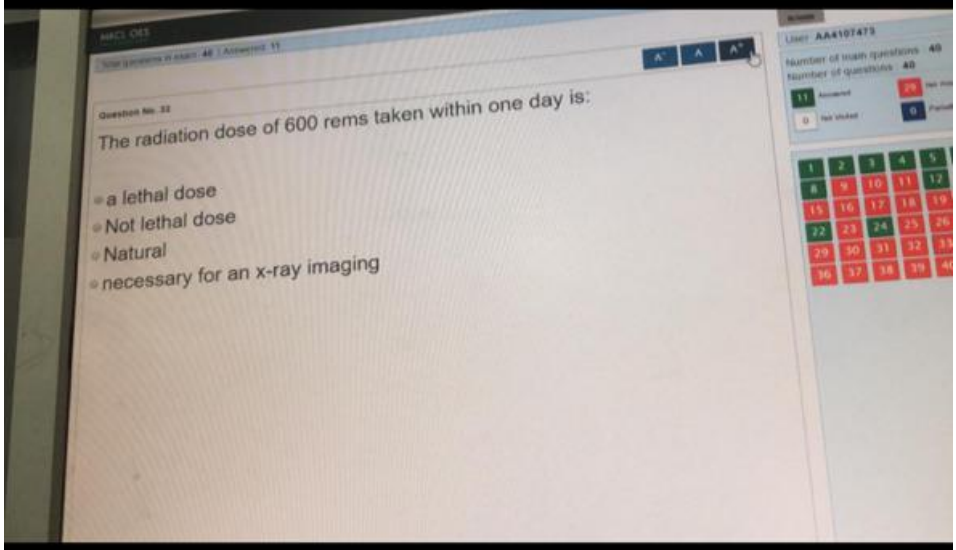
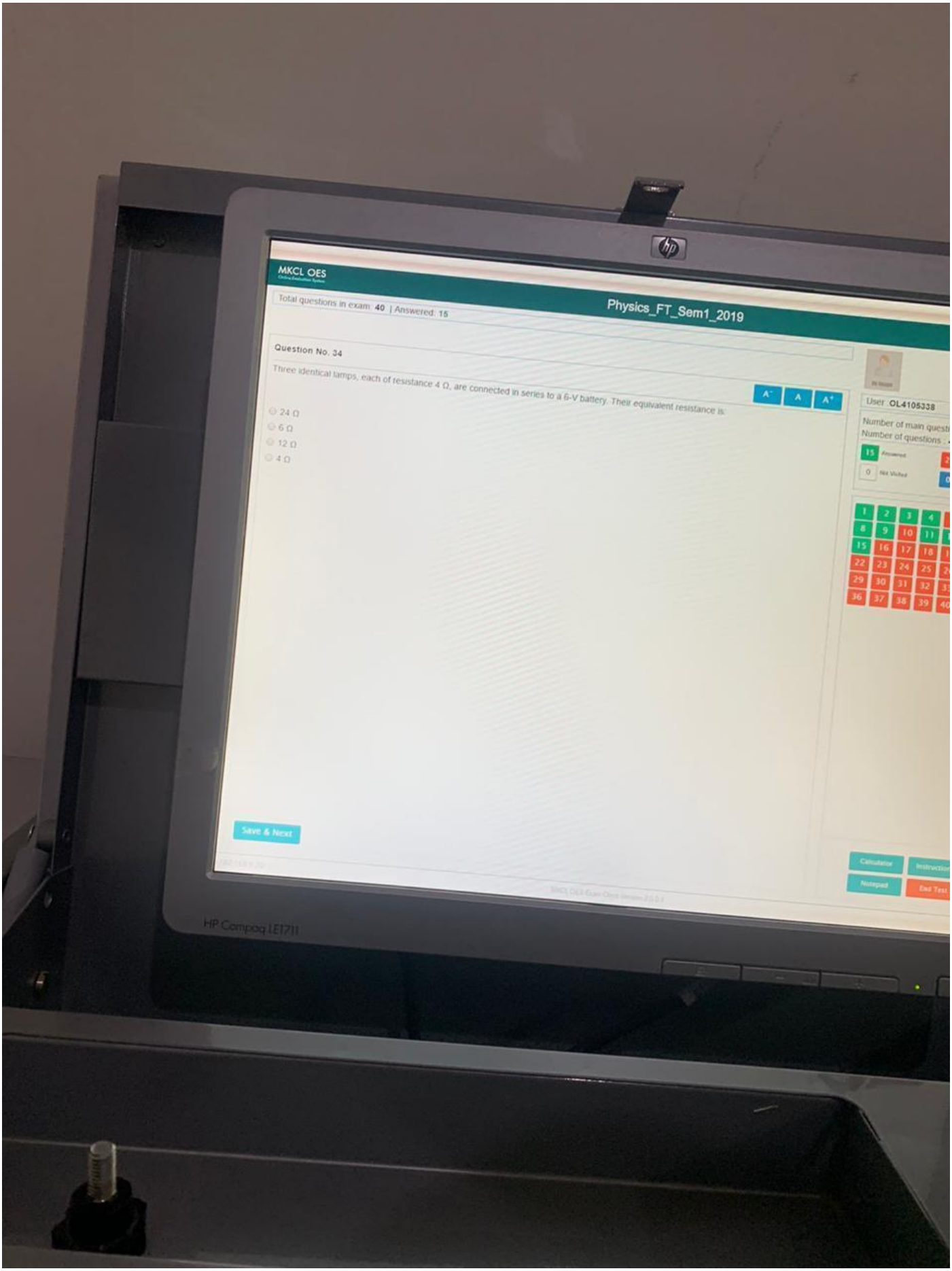



Question No. 32
The radiation dose of 600 rems taken within one day is:
a lethal dose
Not lethal dose
Natural
necessary for an x-ray imaging


MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 15
Question No. 34
Three identical lamps, each of resistance 4 Ω, are connected in series to a 6-V battery. Their equivalent resistance is
24 Ω
6 Ω
12 Ω
4 Ω
User : OL4105338
Save & Next
HP Compaq LE1711

MKCL OES

Physics_FT_Sem1_2019

Total questions in exam: **40** | Answered: **0**

Question No. 6

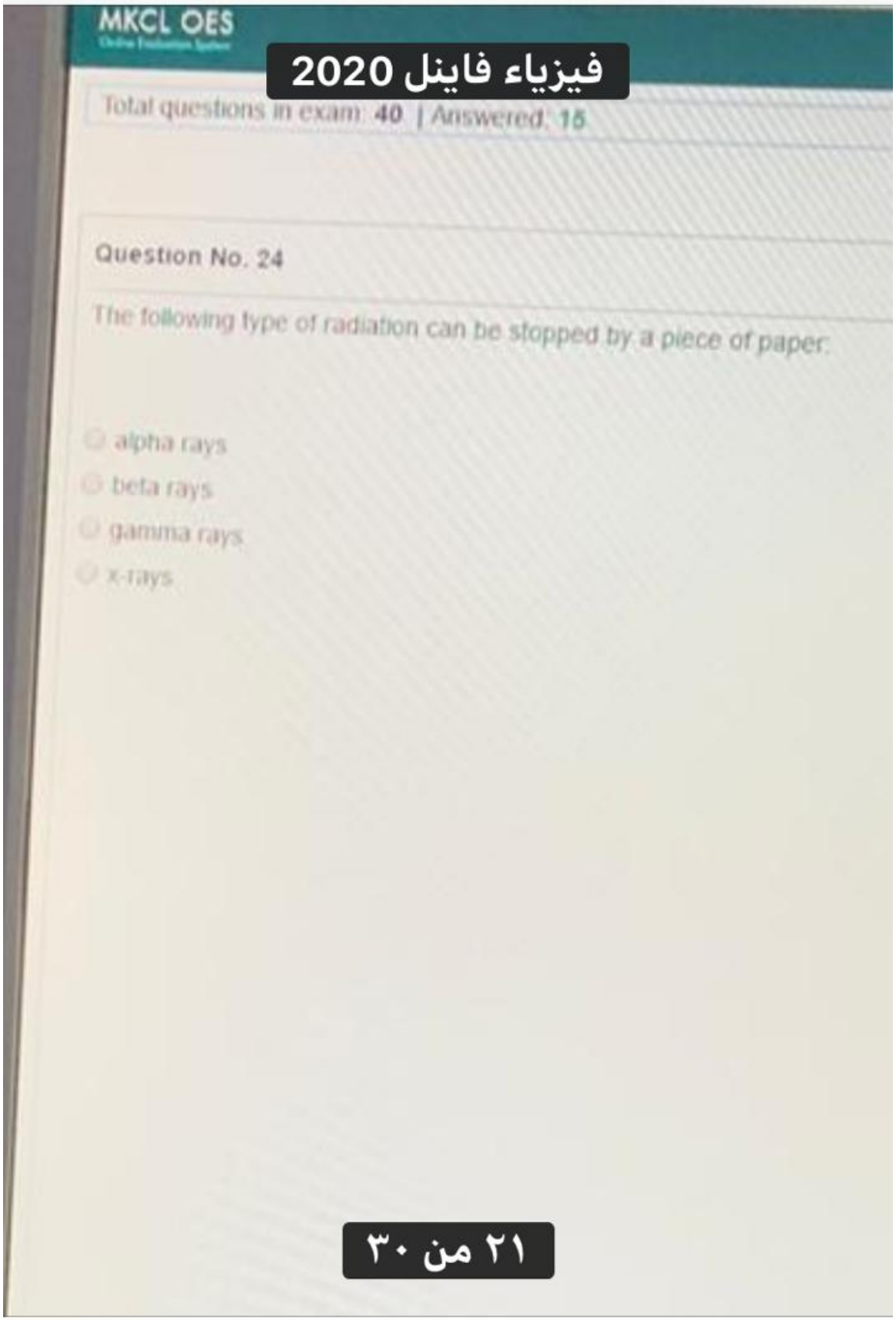
If a virtual image is formed 10.0 cm behind a convex mirror of focal length −15.0 cm, how far is the object from the mi

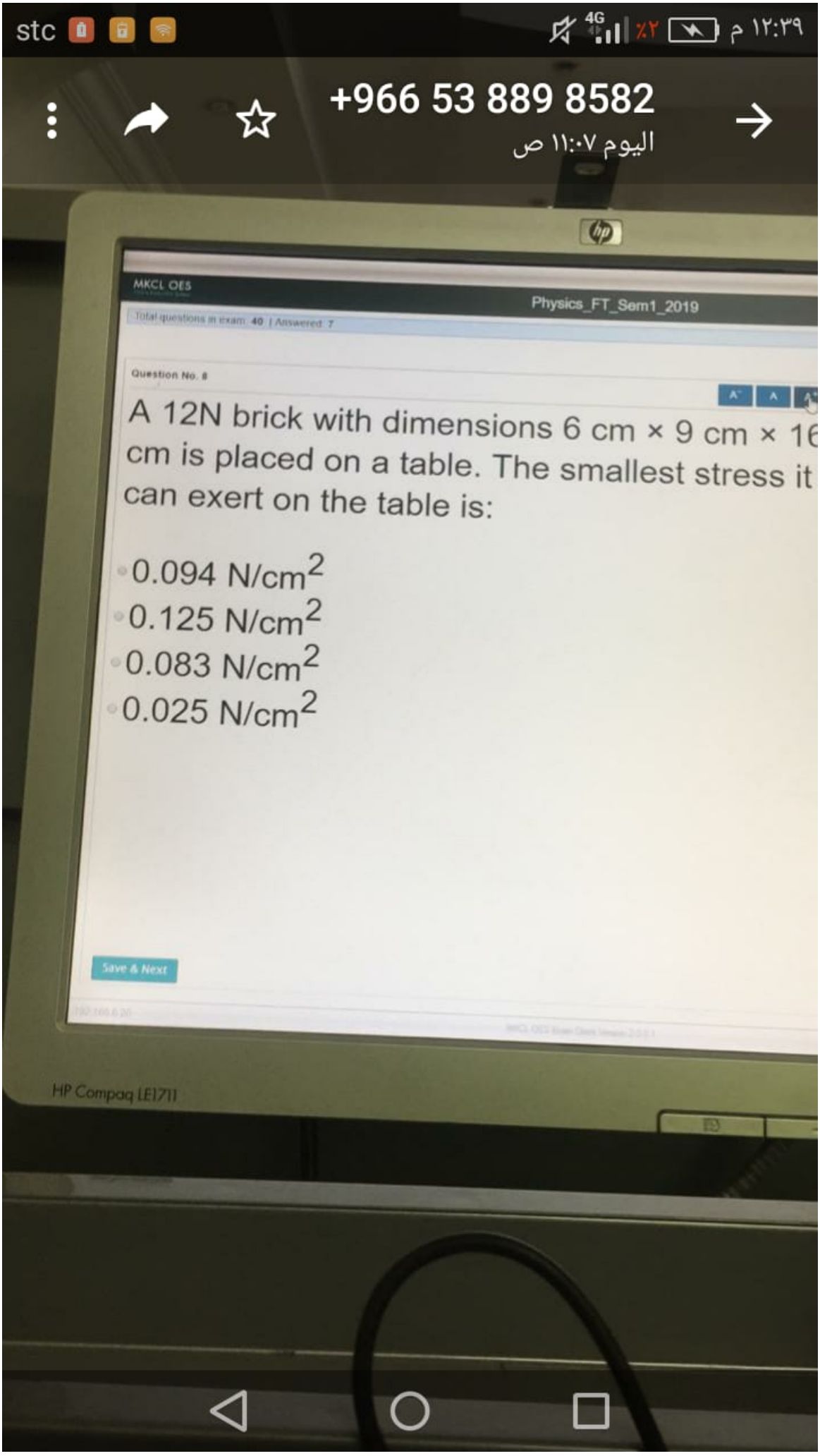
- 3.00 cm
- 10.0 cm
- 6.00 cm
- 30.0 cm

Save & Next

HP Compaq LE1711

▶ الملفات ١٢:٥٩ م ٪١٠٠

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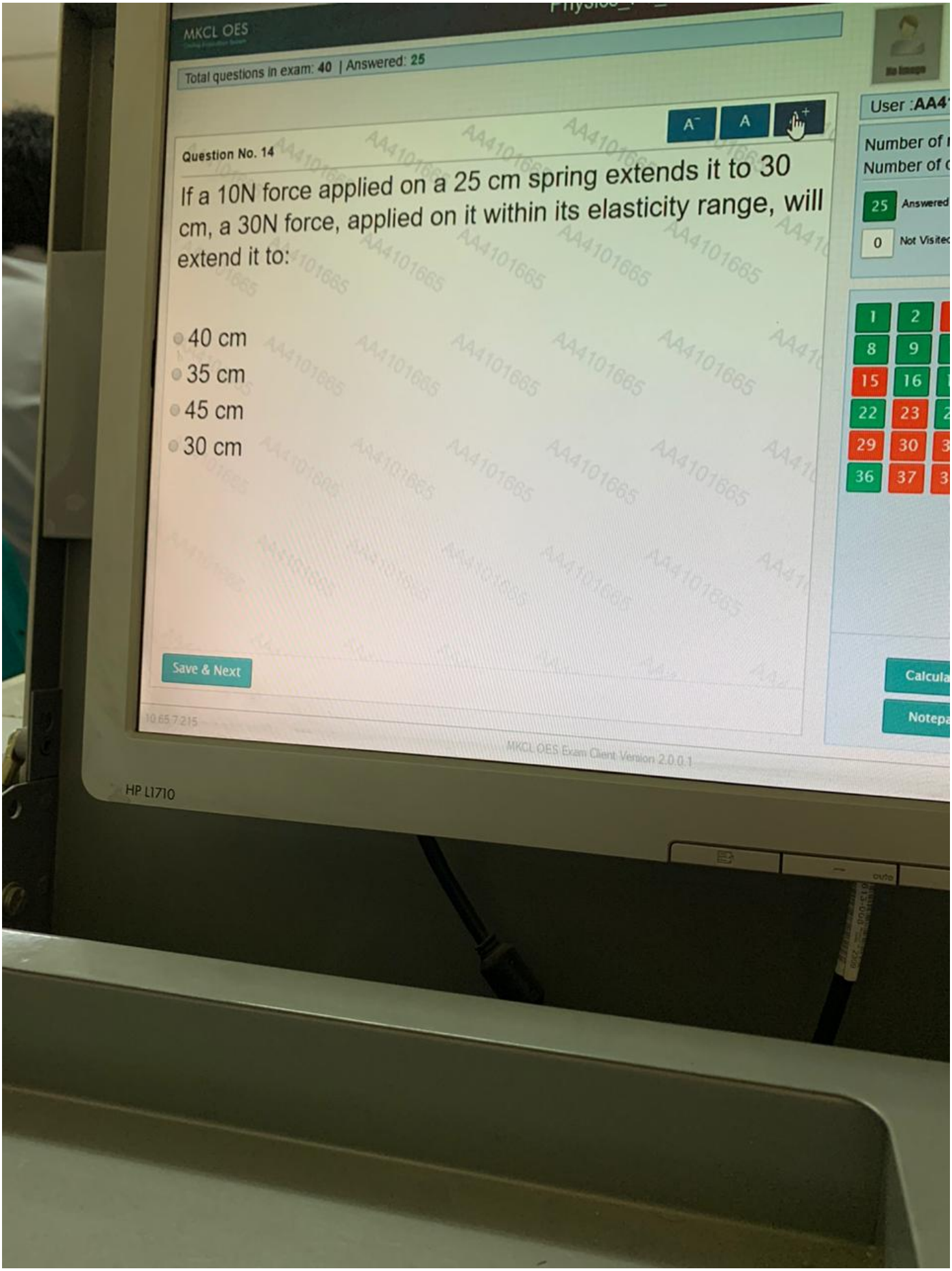
MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 7
Question No. 8
A 12N brick with dimensions 6 cm × 9 cm × 16 cm is placed on a table. The smallest stress it can exert on the table is:
0.094 N/cm2
0.125 N/cm2
0.083 N/cm2
0.025 N/cm2
Save & Next
HP Compaq LE1711


MKCL OES
Total questions in exam: 40 | Answered: 25
User :AA4
Question No. 14
If a 10N force applied on a 25 cm spring extends it to 30 cm, a 30N force, applied on it within its elasticity range, will extend it to:
40 cm
35 cm
45 cm
30 cm
Save & Next
Number of
Number of
25 Answered
0 Not Visited
1 2
8 9
15 16
22 23
29 30
36 37
Calcula
Notepa
MKCL OES Exam Client Version 2.0.0.1
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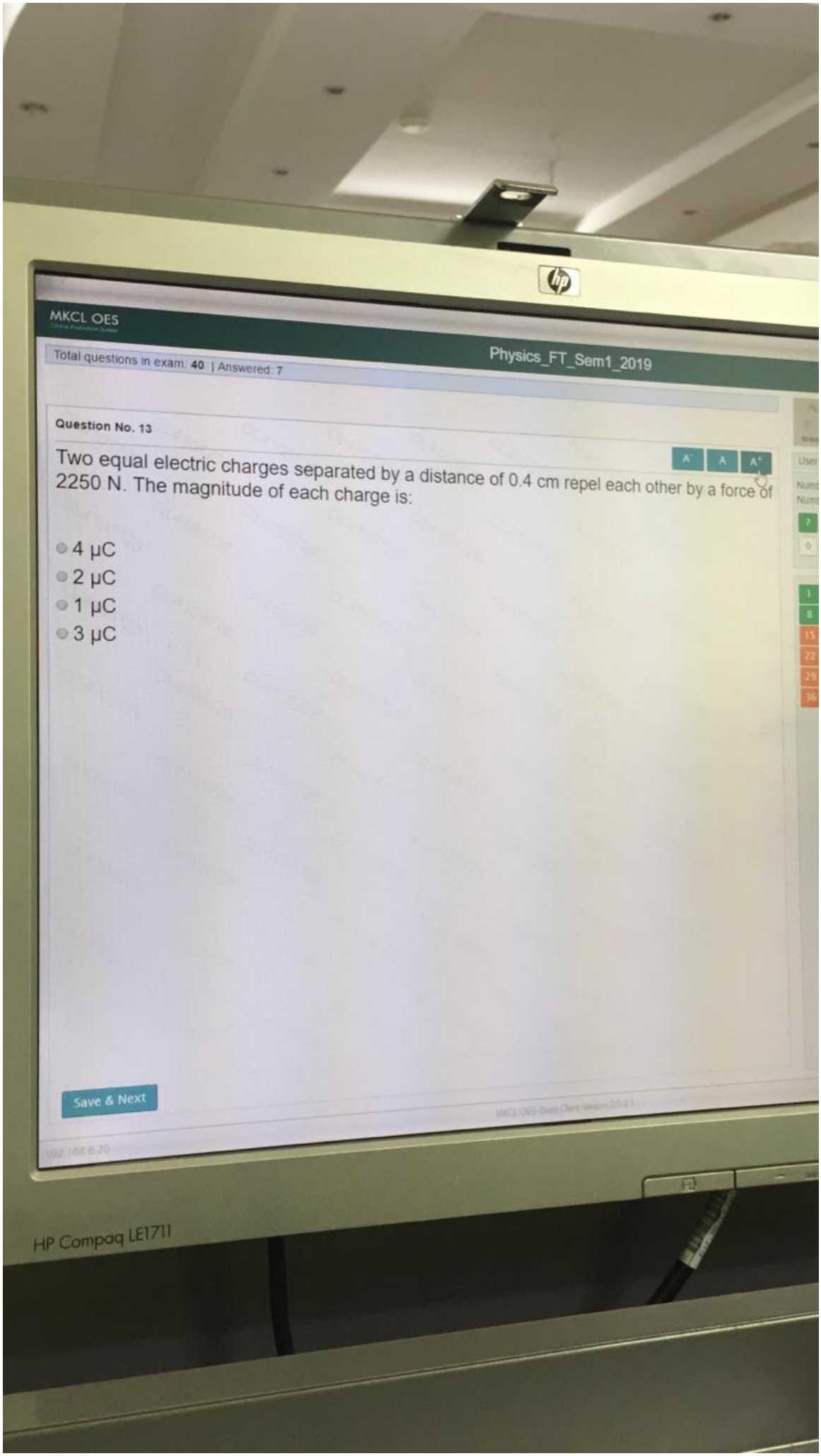
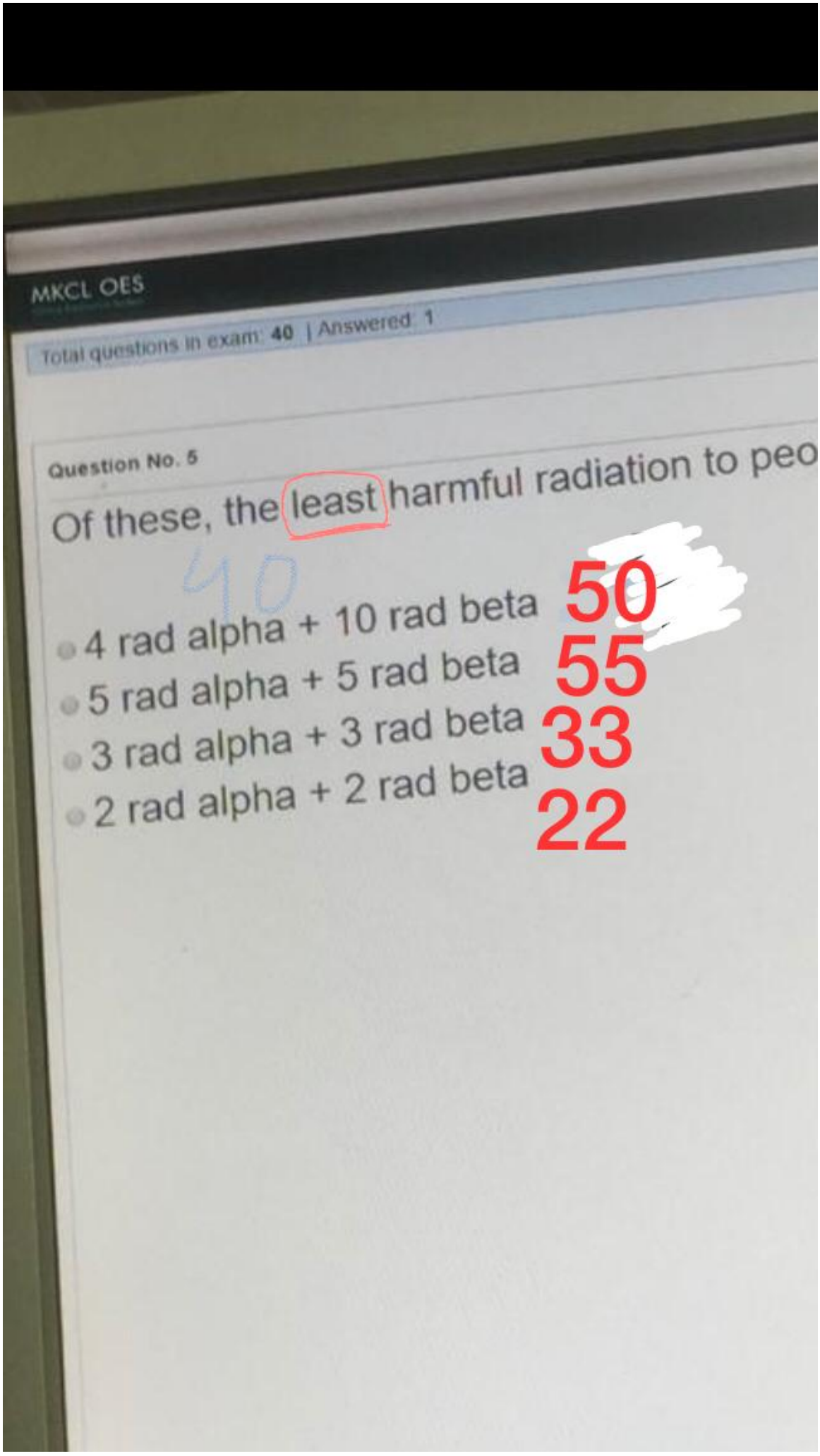
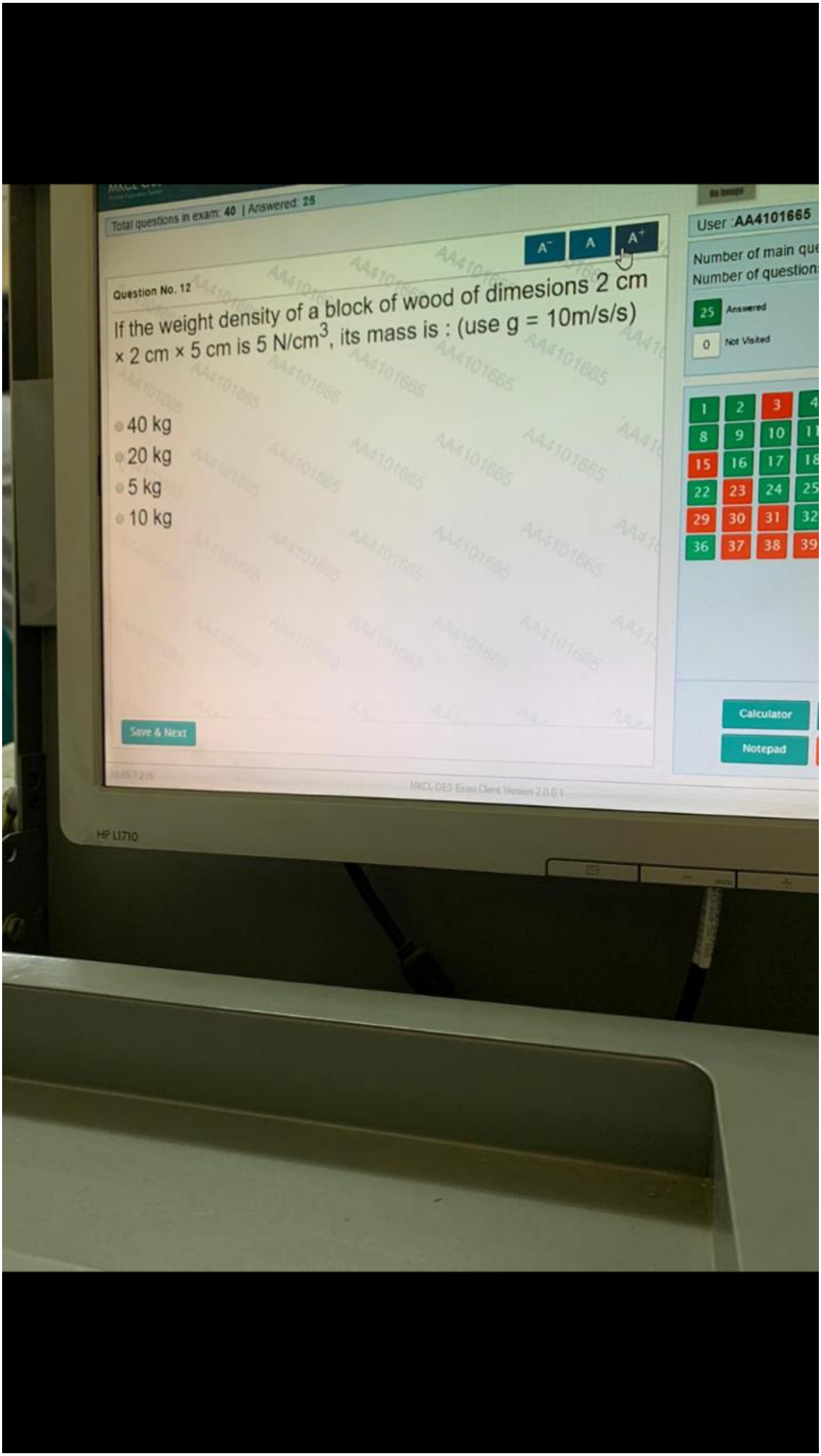

MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 7
Question No. 13
Two equal electric charges separated by a distance of 0.4 cm repel each other by a force of 2250 N. The magnitude of each charge is:
4 μC
2 μC
1 μC
3 μC
Save & Next
HP Compaq LE1711


MKCL OES
Total questions in exam: 40 | Answered: 1
Question No. 5
Of these, the least harmful radiation to peo
40
4 rad alpha + 10 rad beta
5 rad alpha + 5 rad beta
3 rad alpha + 3 rad beta
2 rad alpha + 2 rad beta
50
55
33
22


Total questions in exam: 40 | Answered: 25
User :AA4101665
A⁻ A A⁺
Question No. 12
If the weight density of a block of wood of dimesions 2 cm × 2 cm × 5 cm is 5 N/cm³, its mass is : (use g = 10m/s/s)
40 kg
20 kg
5 kg
10 kg
Number of main que
Number of question
25 Answered
0 Not Visited
1 2 3 4
8 9 10 11
15 16 17 18
22 23 24 25
29 30 31 32
36 37 38 39
Save & Next
Calculator
Notepad
HP L1710

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Total questions in exam 40 | Answered 5

Question No. 9

Nuclear medicine use Tc-99 isotope, which has a half-life of 8 hours years. If the initial amount is A, the amount of that isotope remaining after 16 hours will be

- zero.
- A/8
- A/16
- A/4

Save & Next