تجميعات " ريفان و ود "

دعواتكم 🙏💛💛.

PHYSICE

2020

Total questions in exam: 40 | Answered: 15

Question No. 28

Radioactive decay is a _____ phenomenon :

- Harmless
- natural
- Warm
- Unnatural

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

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

A- A A+

User: OL4105338

Number of main q...
Number of questio...

15 Answered

0 Not Visited

1 2 3
8 9 10

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

Total questions in exam: 25 | Answered: 5

Question No. 6

Which of the following temperatures is NOT possible?

- 4500 °C
- -278 °C
- -274 °F
- -200 °C

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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

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Total questions in exam: 40 | Answered: 15

Physics_FT_Sem1_2019

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

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

A⁻ A A⁺

Question No. 14

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:

- 13 cm
- 27 cm
- 18 cm
- 15 cm

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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

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

A⁻ A A⁺

User: OL41

Number of
Number of

15

0

Question No. 23

Two equal electric charges separated by a distance of 4 cm repel each other by a force of 90 N. The magnitud

- 4 μC
- 1 μC
- 3 μC
- 2 μC

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Total questions in exam: 40 | Answered: 15

Phy

Question No. 37

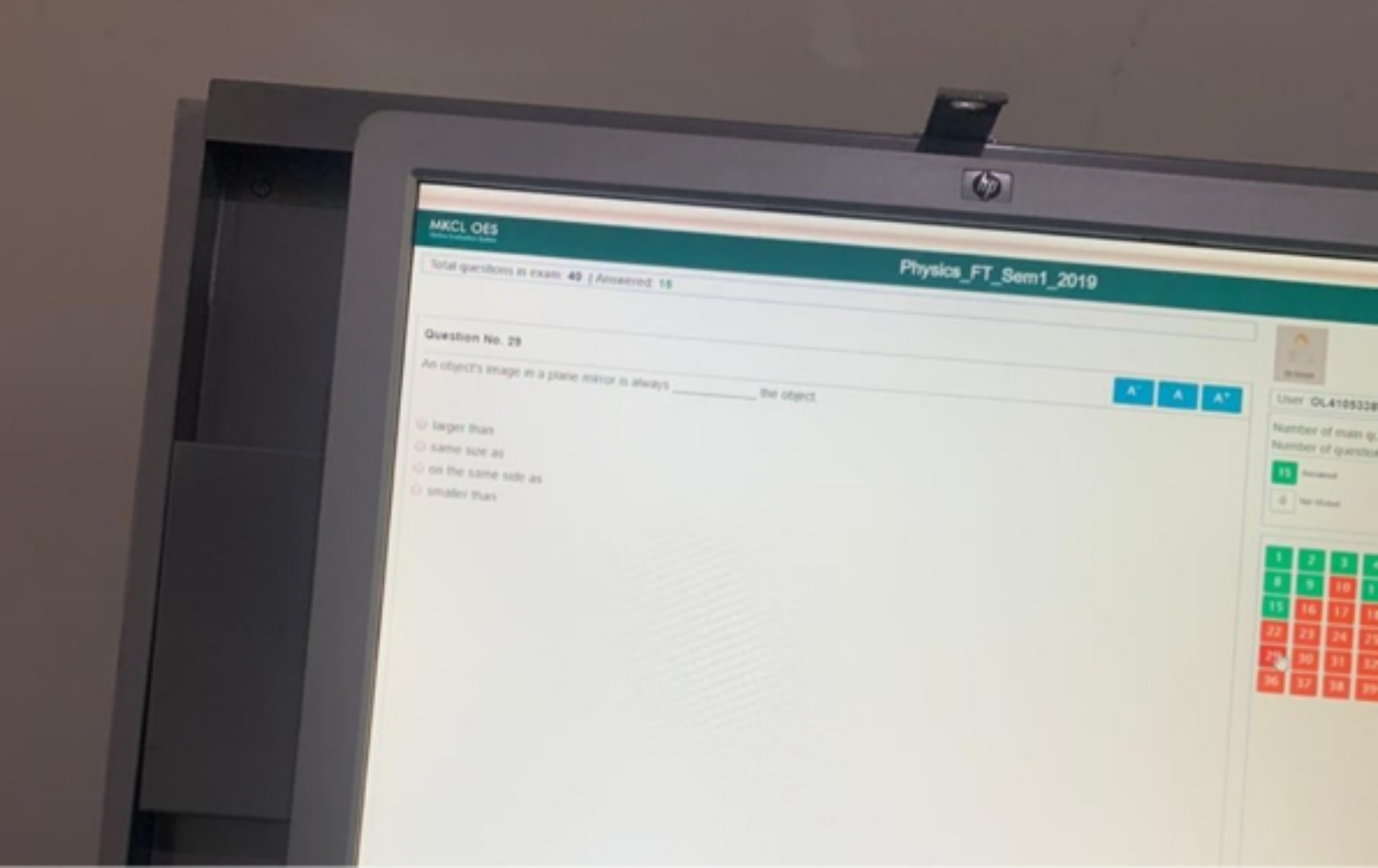
In the Celsius temperature scale, water freezes at:

- 32 °C
- 8 °C
- 0 °C
- 6 °C

Question No. 8

When we heat a block of iron, the kinetic energy of the iron atoms:

- becomes zero
- decreases
- becomes negative
- increases


MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 (Answered: 18
Question No. 29
An object's image in a plane mirror is always _____ the object.
A-
A
A+
larger than
same size as
on the same side as
smaller than

Question No. 12

Radon-222 is:

- Produce in industry
- A man-made source
- A liquid substance
- a common environmental hazard

Total questions in exam: **40** | Answered: **8**

Question No. 15

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

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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

A⁻ A A⁺

User: OL4105338

Number of main qu
Number of question

15 Answered

0 Not Visited

1 2 3 4
8 9 10 11

MKCL OES

Total questions in exam: 40 | Answered: 15

Physics_FT_Sem1_2019

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

MKCL OES

Physics_FT_Sem1_20

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

Question No. 22

A⁻ A A⁺

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

Total questions in exam: **40** | Answered: **15**

Question No. 23

If a support column is compressed $\Delta l = 0.446$ 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

MKCL OES

Physics_FT_Sem1_2019

Total questions in exam: 40 | Answered: 15

Question No. 28

Radioactive decay is a _____ phenomenon

A⁻ A A⁺

- Harmless
- natural
- Warm
- Unnatural

User: OL41053

Number of mark
Number of ques

15 Answered

0 Not Visited

1 2 3
8 9 10
15 16 17
22 23 24
29 30 31
36 37 38

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

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

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Physics_FT_Sem2_2019

Total questions in exam: 40 | Answered: 1

Question No. 1

An electromagnetic wave of (600 nm) wavelength has frequency: (use the speed c in vacuum)

- 1800 Hz
- 180 Hz
- 5×10^{14} Hz
- 1.8×10^{14} Hz

Save & Next

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Question No. 33

The radiation dose of 600 rems taken within one day is:

- a lethal dose
- Not lethal dose
- Natural
- necessary for an x-ray imaging

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Physics_FT_Sem2_201

Total questions in exam: 40 | Answered: 9

Question No. 10

When light reflects from a surface, there is a change in its

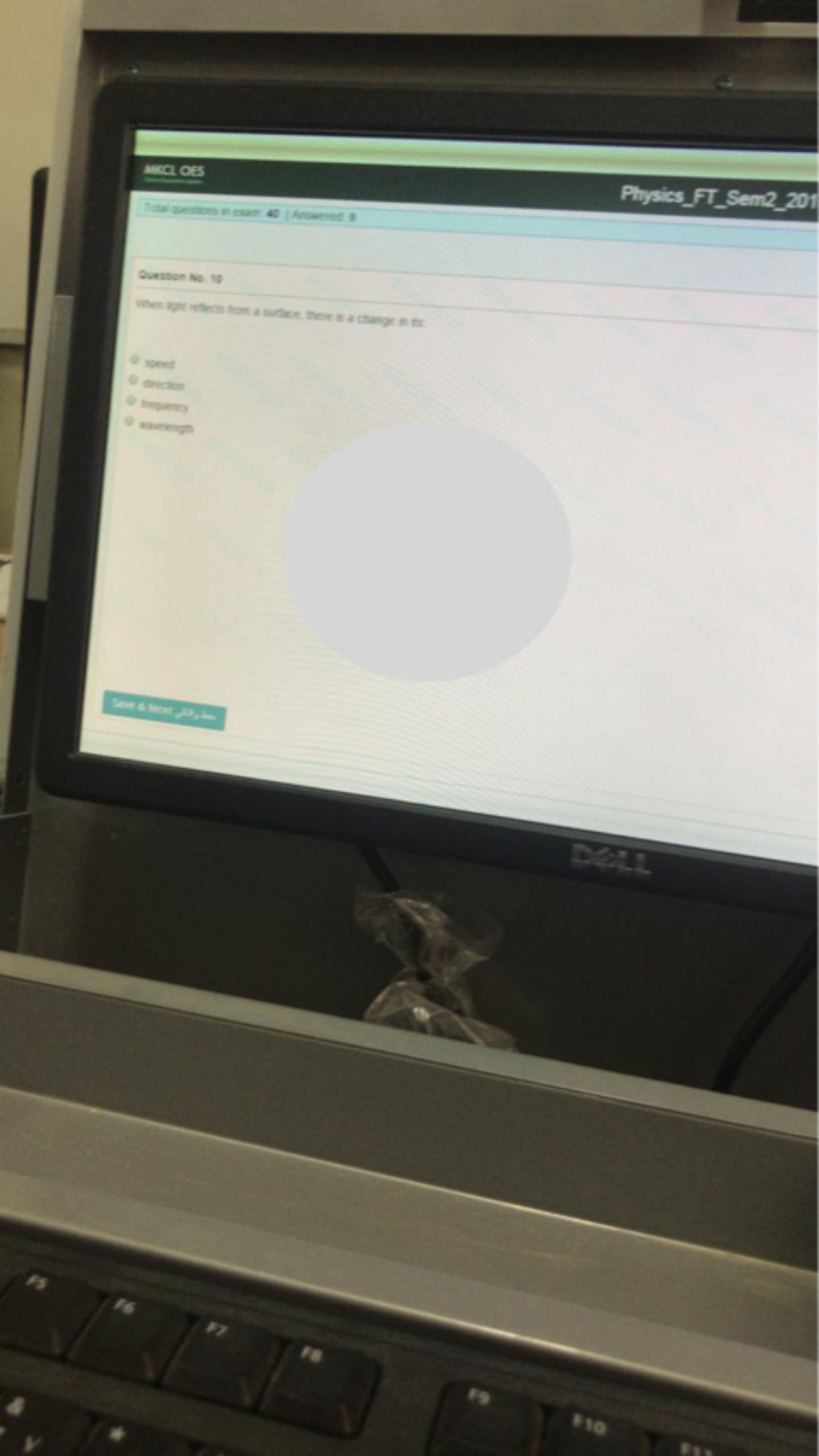
- speed
- direction
- frequency
- wavelength

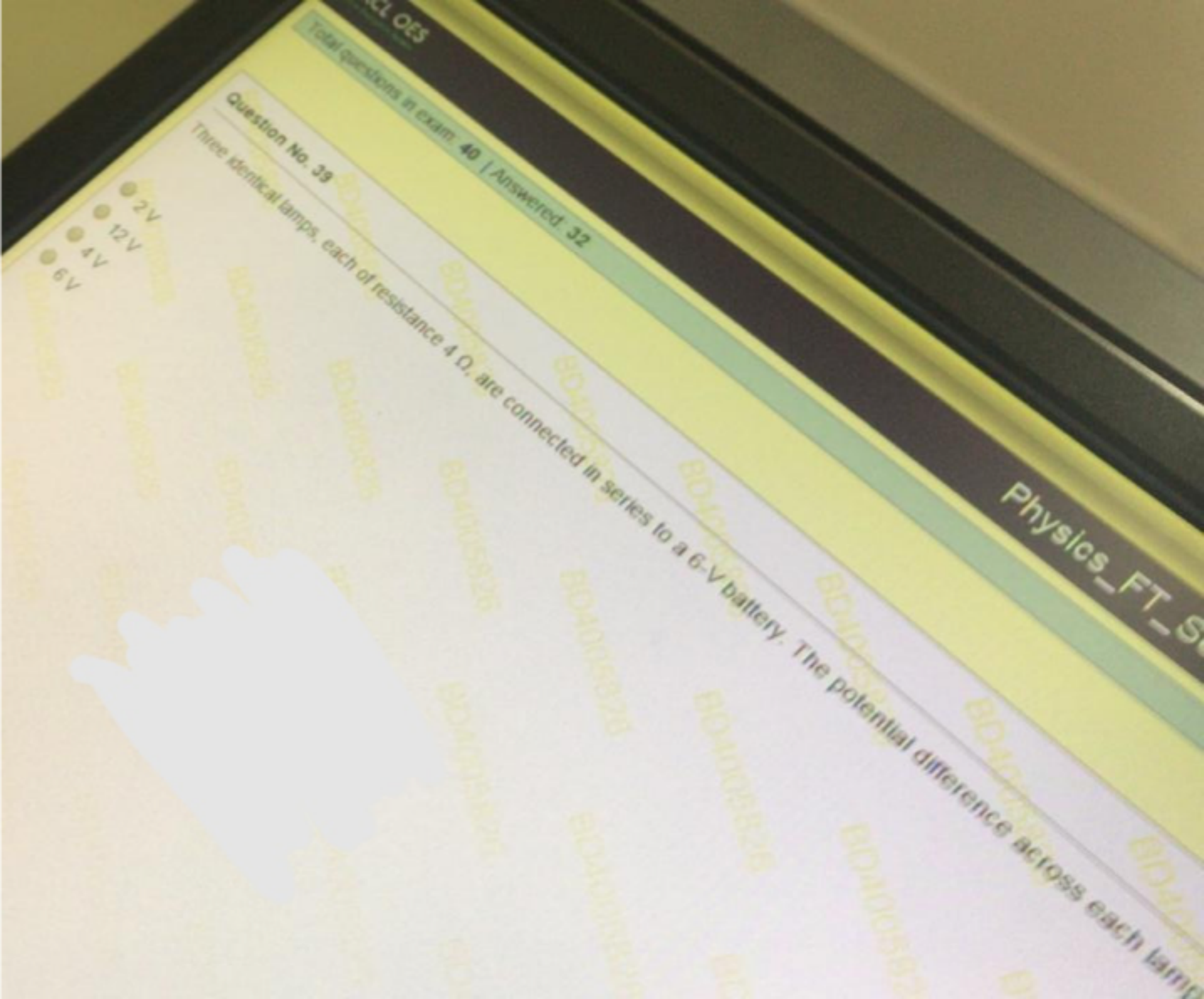
Total questions in exam: **40** | Answered: **18**

Question No. 6

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

- 90°
- 30°
- 0°
- 45°


MKCL OES
Physics_FT_Sem2_201
Total questions in exam: 40 | Answered: 9
Question No. 10
When light reflects from a surface, there is a change in its
speed
direction
frequency
wavelength
Save & Next
DELL

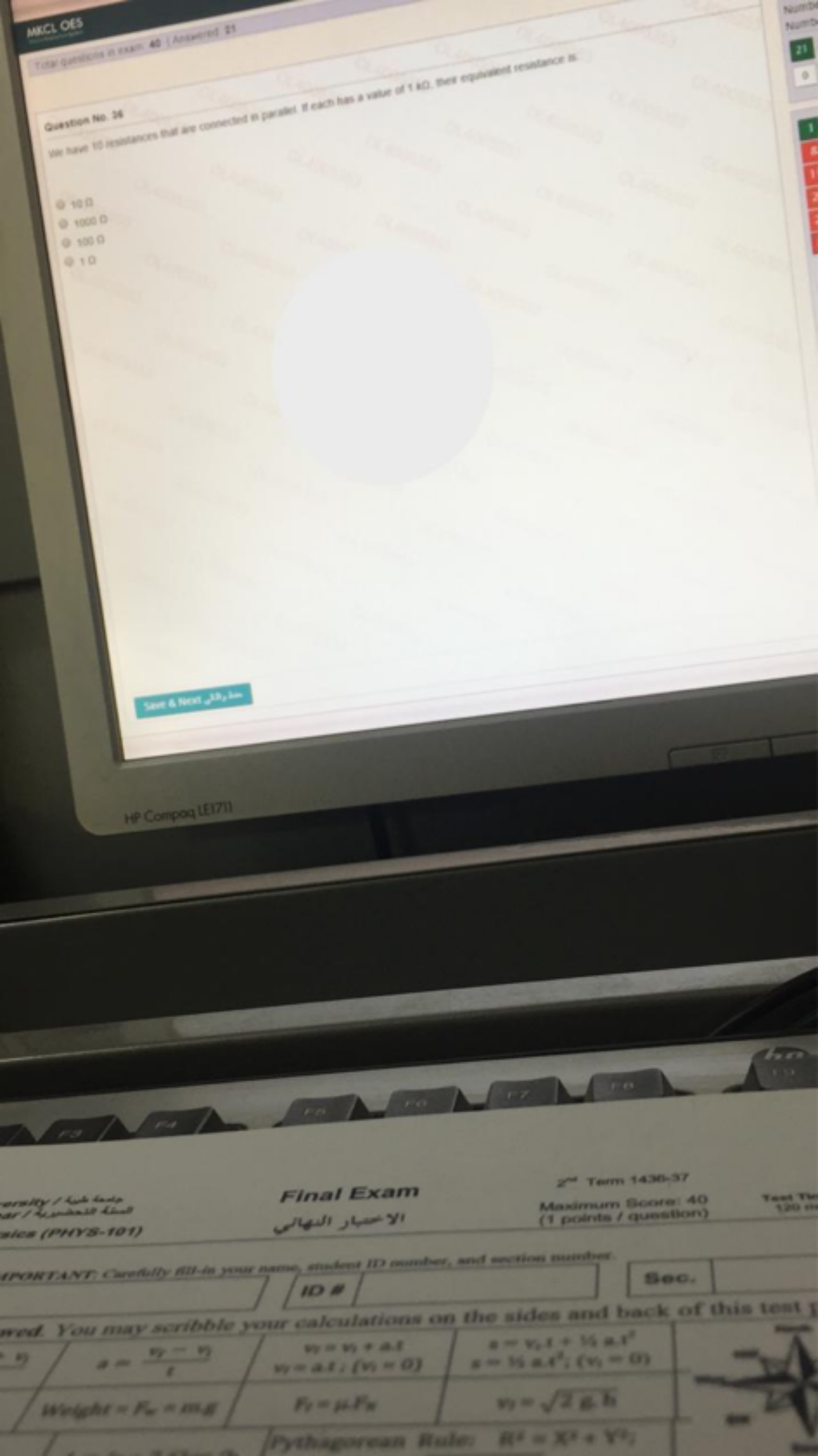

Physics_FT_S
Total Questions in exam: 40 | Answered: 32
Question No. 39
Three identical lamps, each of resistance 4 Ω, are connected in series to a 6-V battery. The potential difference across each lam
2 V
12 V
4 V
6 V

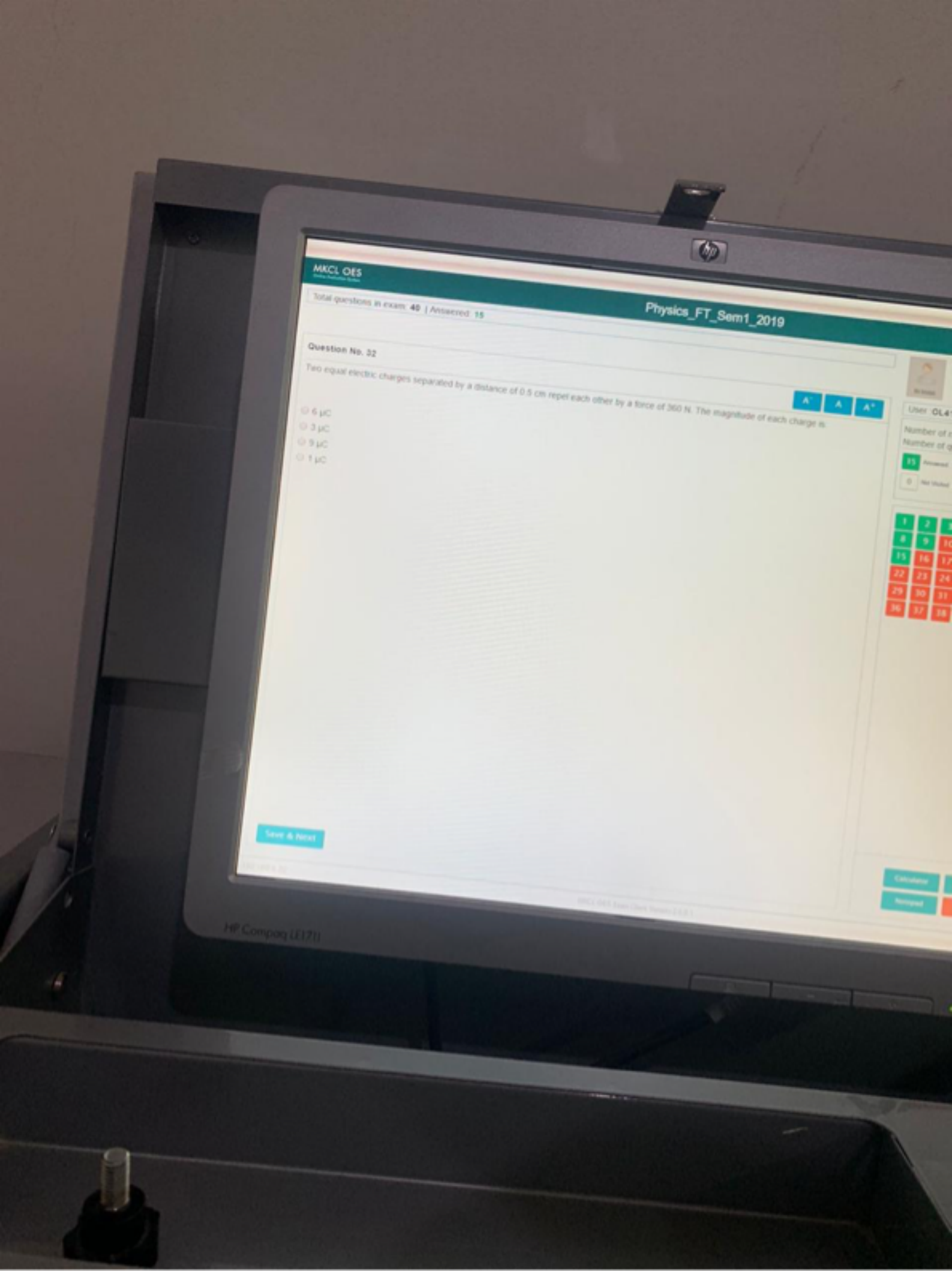
Question No. 6

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

- 90°
- 30°
- 0°
- 45°

Save & Next جतन व पुढील


MKCL OES
Total questions in exam: 40 | Answered: 21
Question No. 36
We have 10 resistances that are connected in parallel. If each has a value of 1 kΩ, their equivalent resistance is:
10 Ω
1000 Ω
100 Ω
1 Ω
Save & Next
HP Compaq LE1711
Final Exam
الاختبار النهائي
2nd Term 1436-37
Maximum Score: 40
(1 points / question)
(PHYS-101)
Carefully fill-in your name, student ID number, and section number.
ID #
Sec.
You may scribble your calculations on the sides and back of this test
Weight = Fw = m.g
Pythagorean Rule:


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_Sem2_2019

Total questions in exam: 40 | Answered: 1

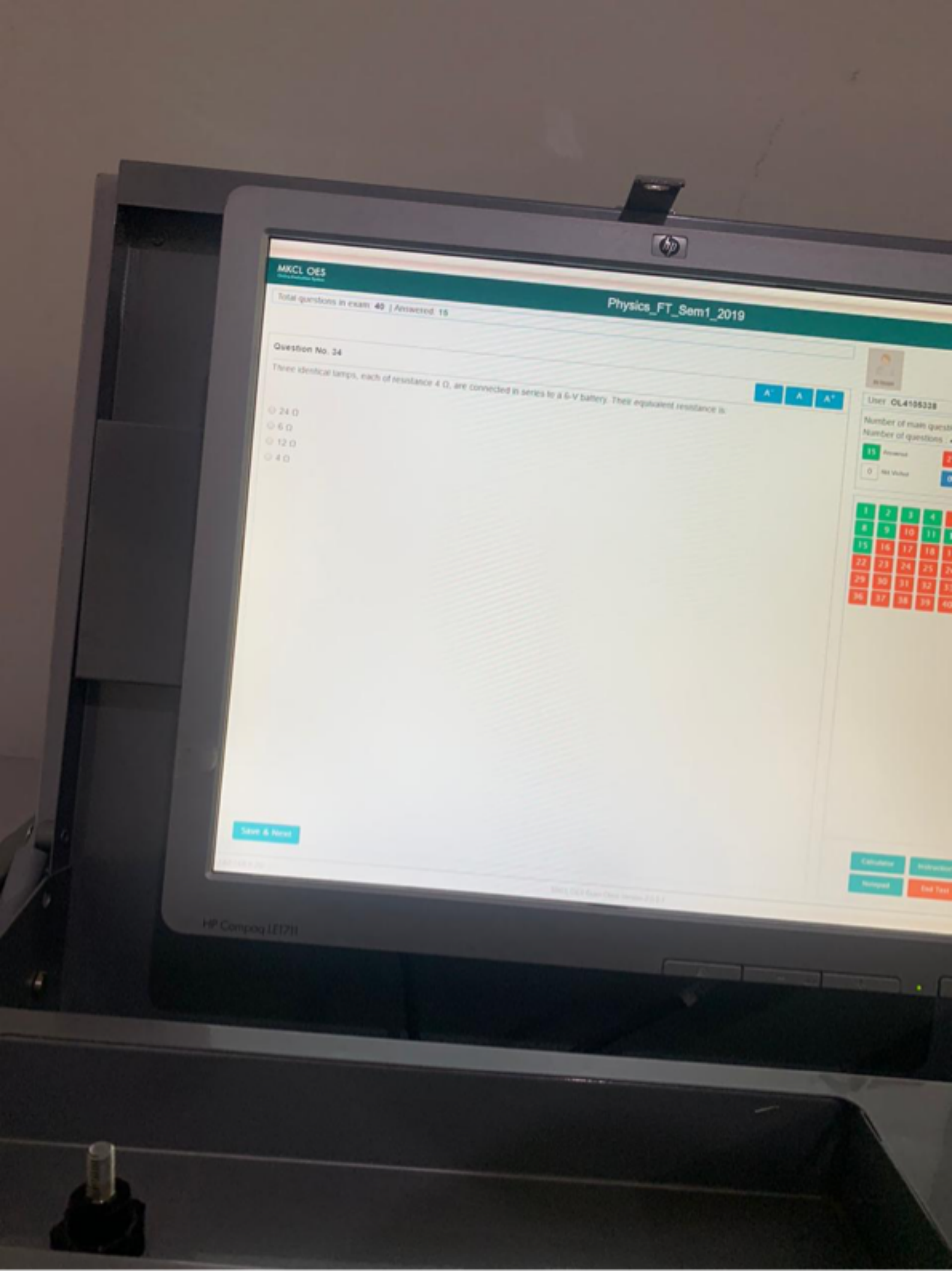
Question No. 1

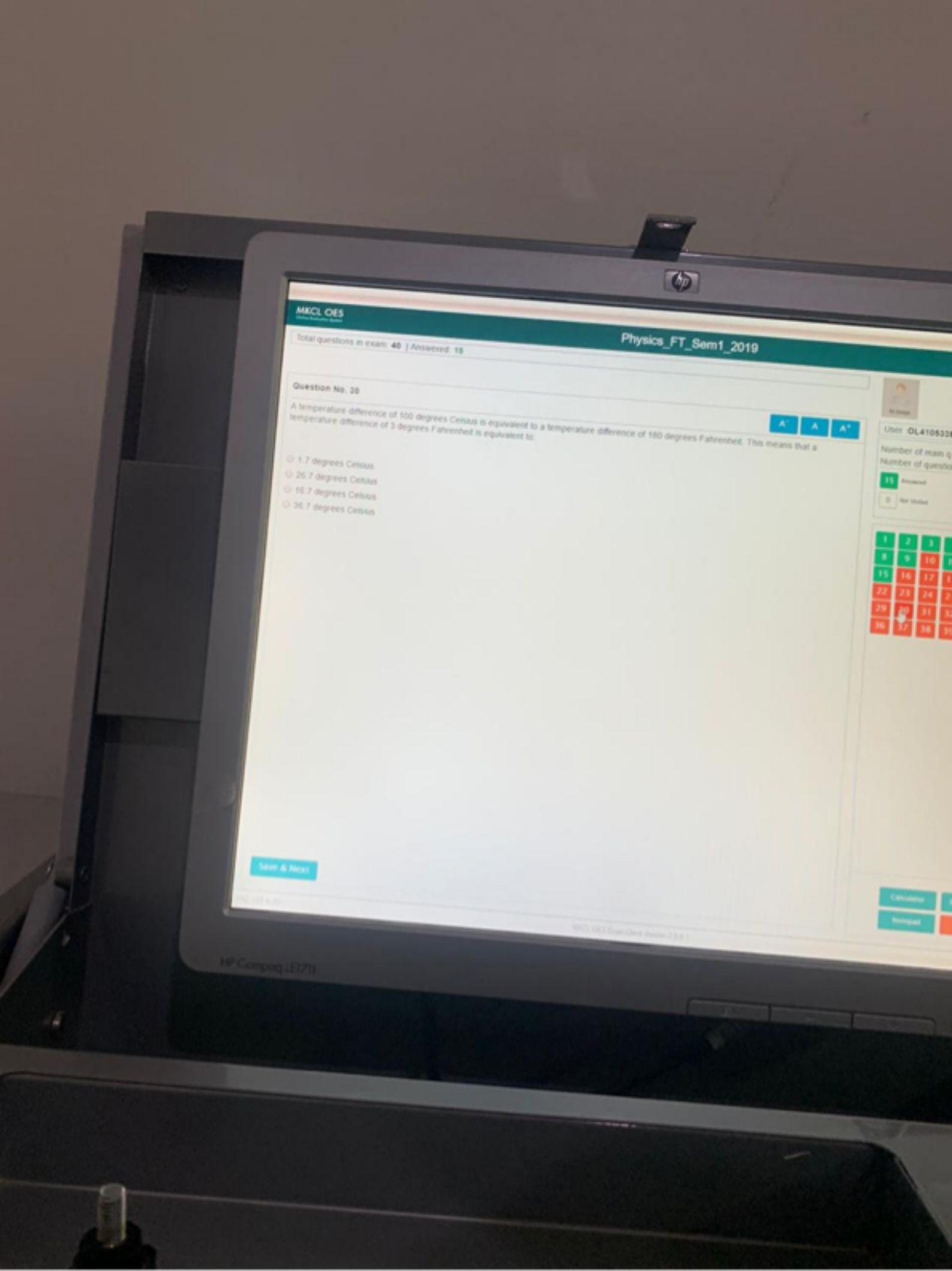
An electromagnetic wave of (600 nm) wavelength has frequency: (use the speed c in vacuum)

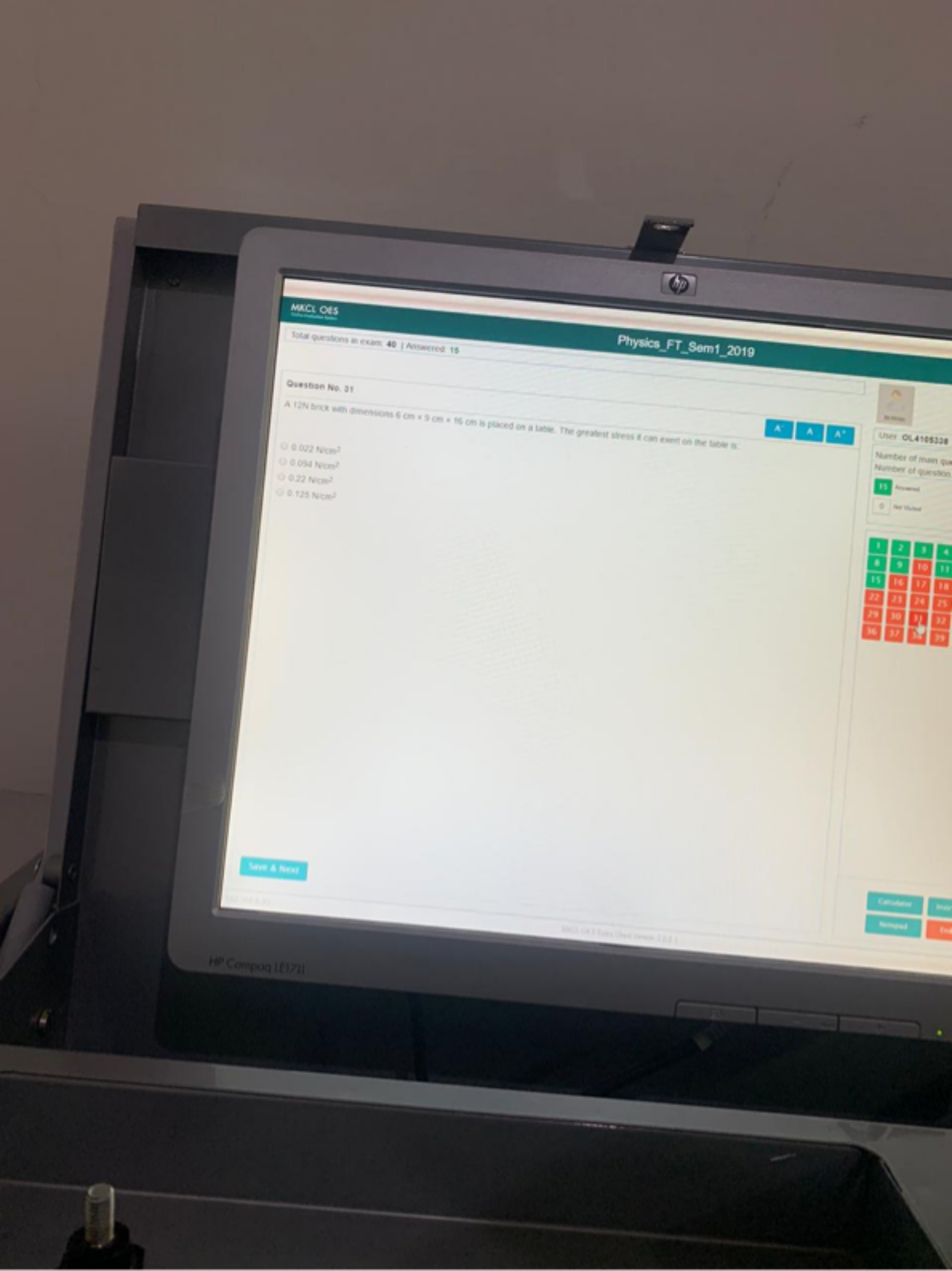
- 1800 Hz
- 180 Hz
- 5×10^{14} Hz
- 1.8×10^{14} Hz

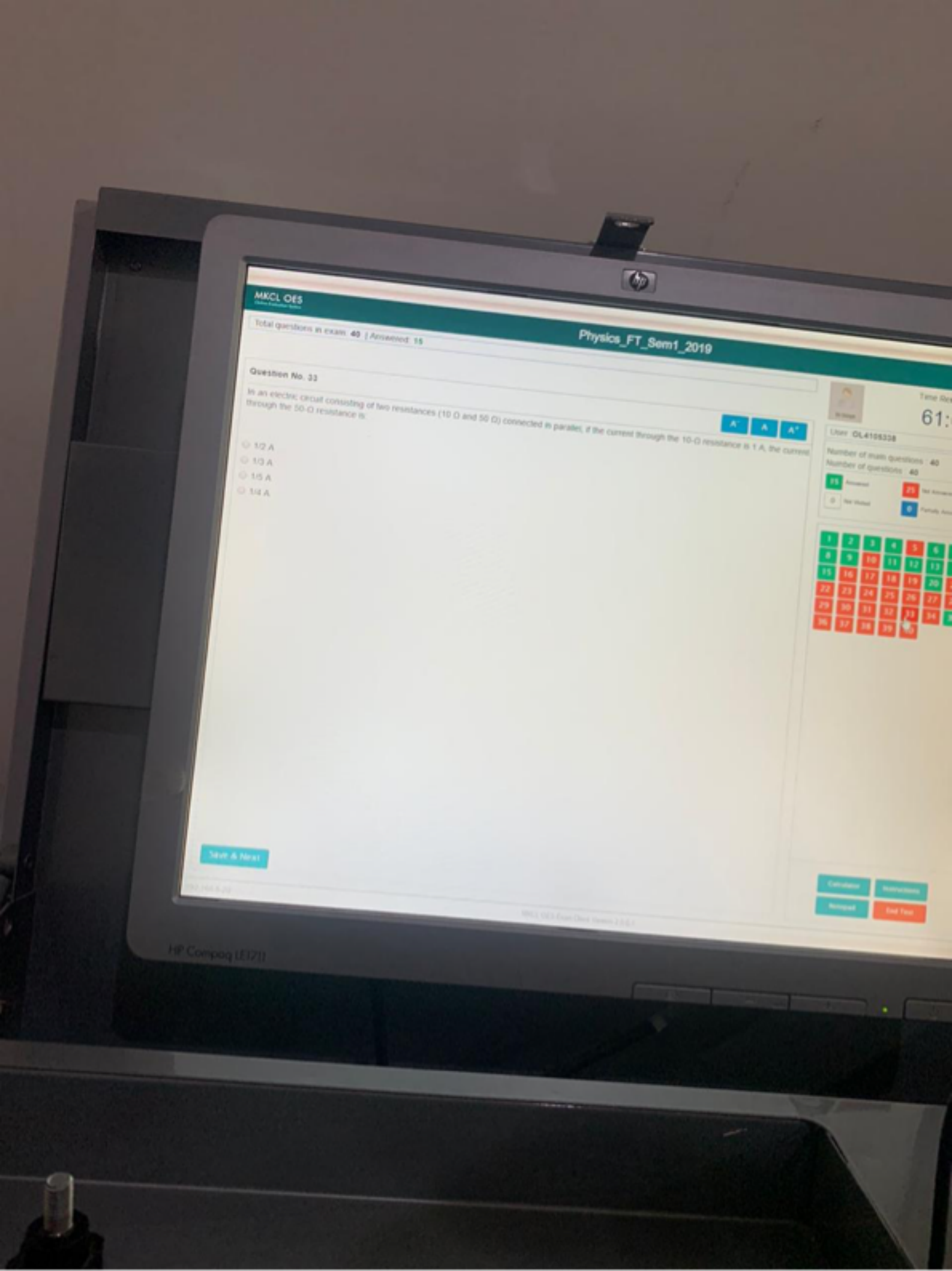
Save & Next سجل و التالي

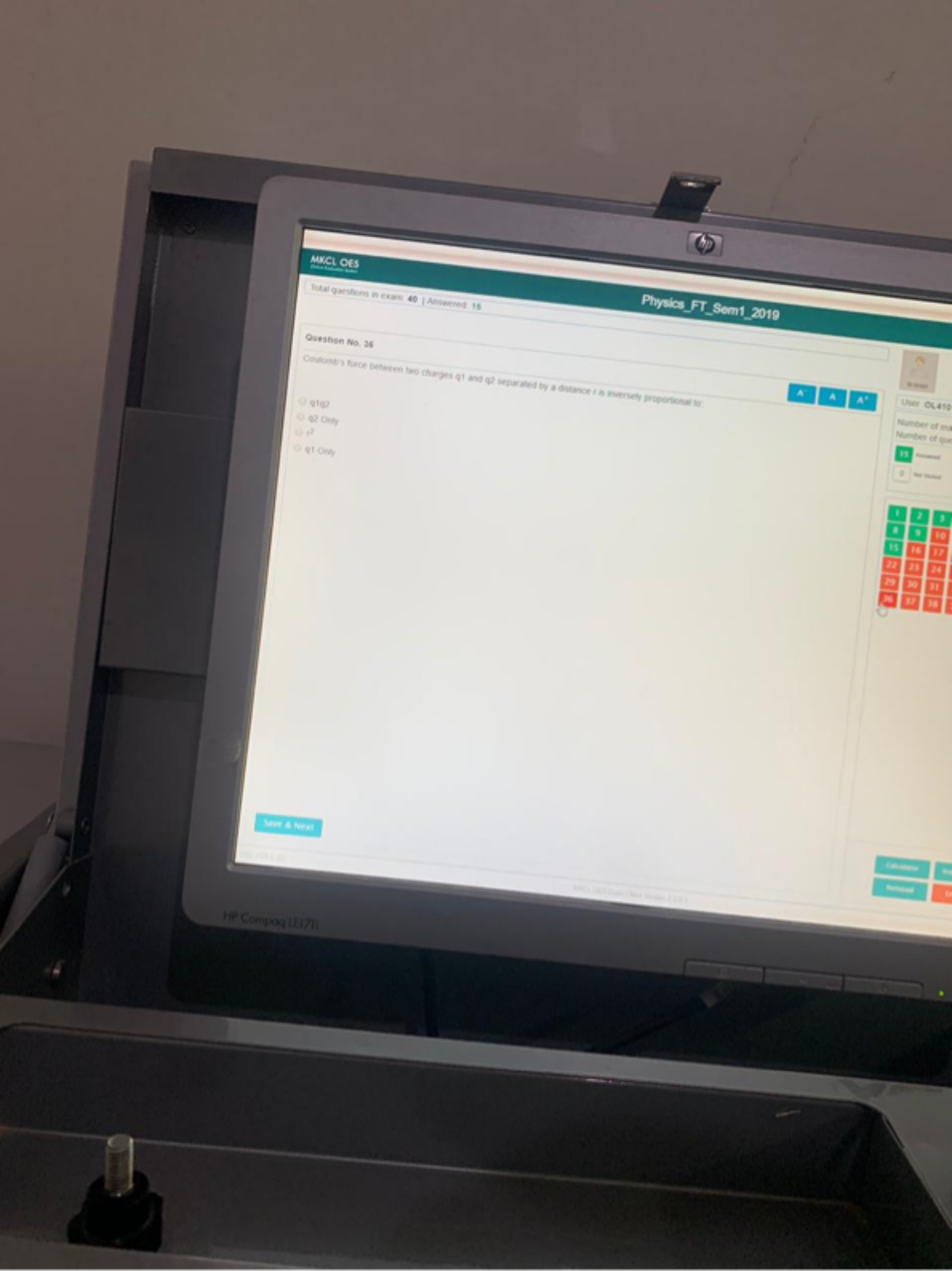
HP Compaq LE1711

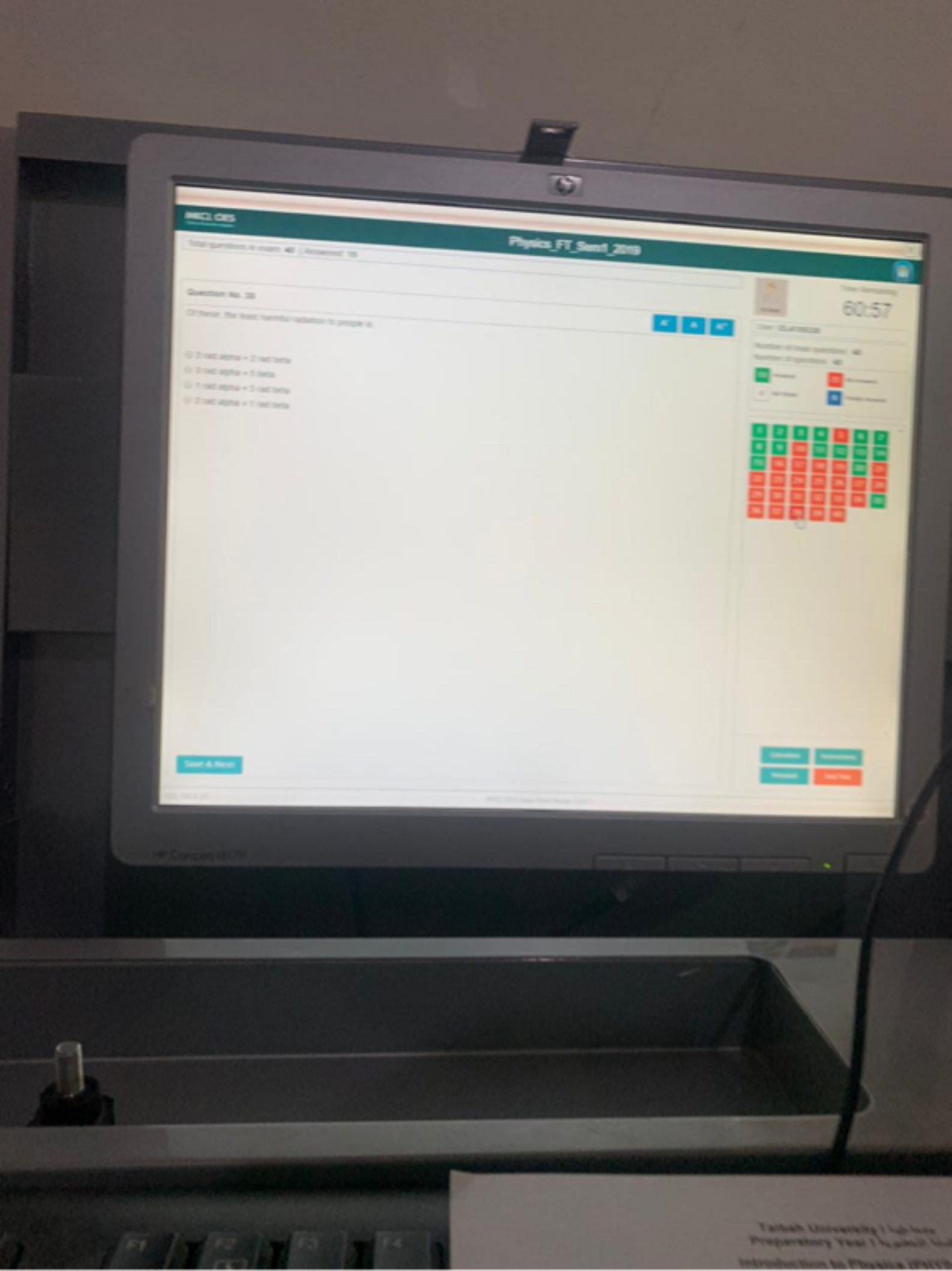

MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 15
Question No. 34
Three identical lamps, each of resistance 4 Ω, are connected in series to a 6-V battery. Their equivalent resistance is:
24 Ω
6 Ω
12 Ω
4 Ω
Save & Next
HP Compaq LE1711


MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 15
Question No. 20
A temperature difference of 500 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
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
0.054 N/cm²
0.22 N/cm²
0.125 N/cm²
Save & Next
HP Compaq LE1731


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
HP Compaq LE1711


MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 15
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


Physics_FT_Sept_2019
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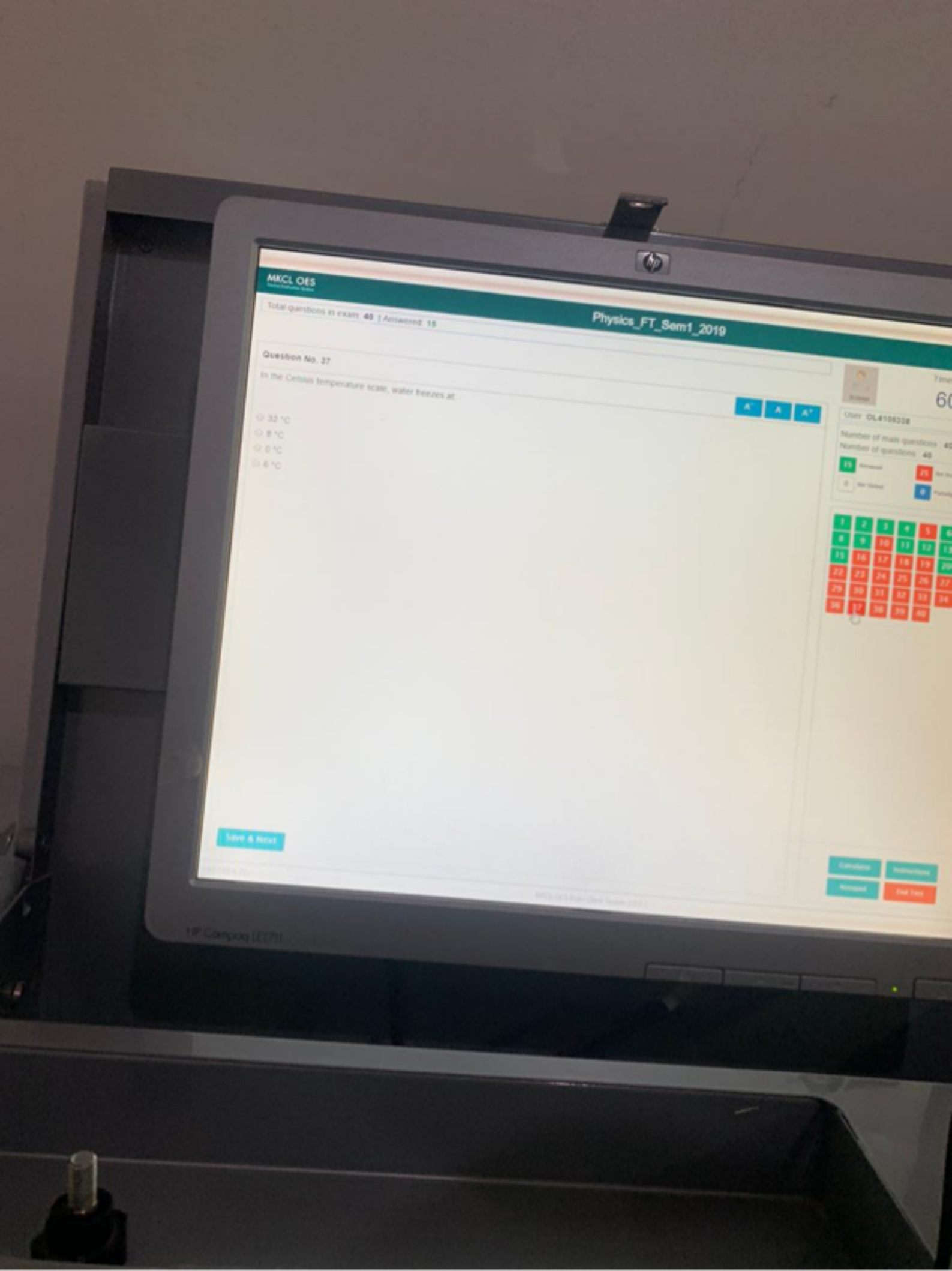
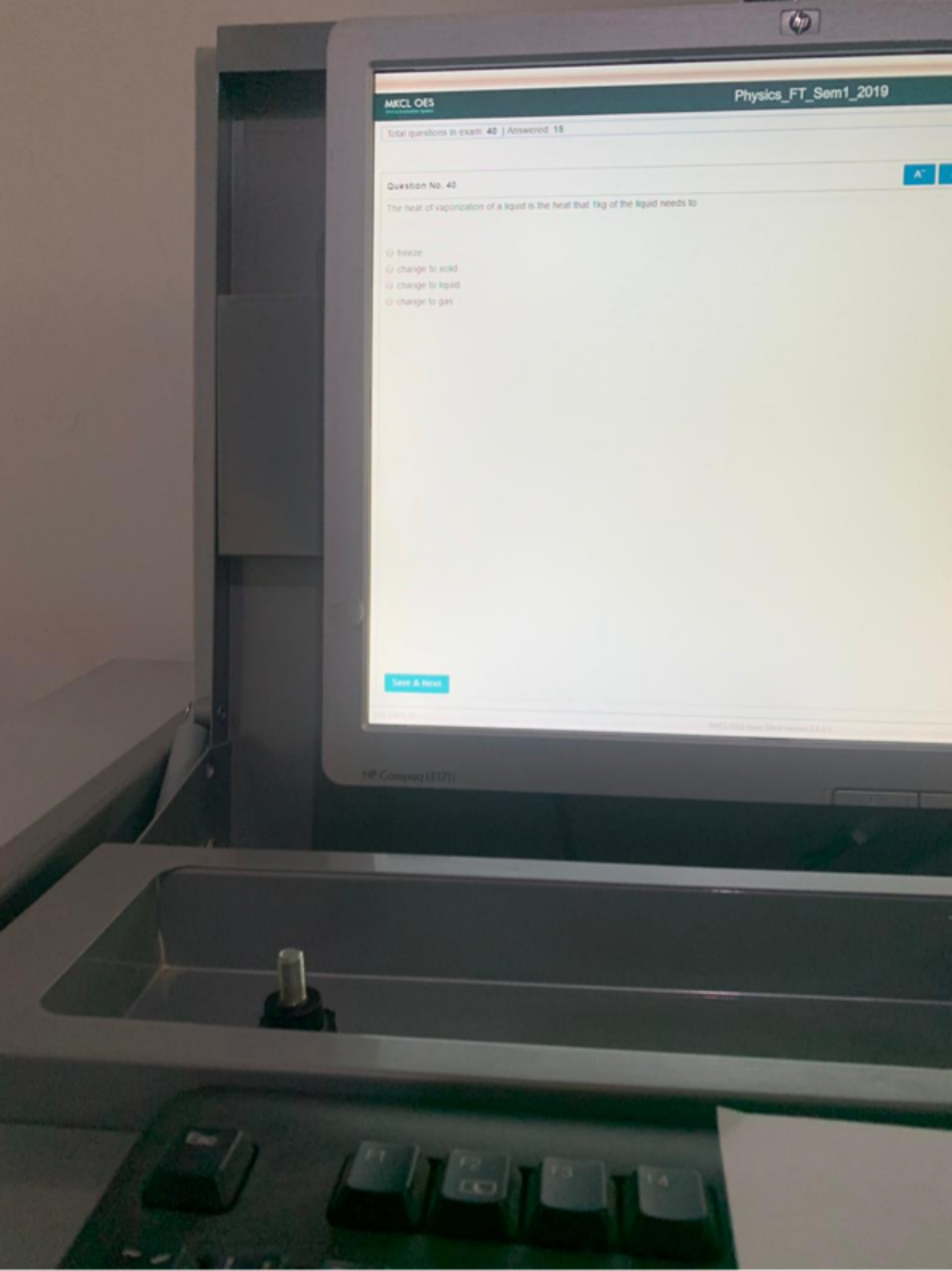

MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 15
Question No. 37
In the Celsius temperature scale, water freezes at
32 °C
8 °C
0 °C
6 °C
Save & Next


MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 18
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

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

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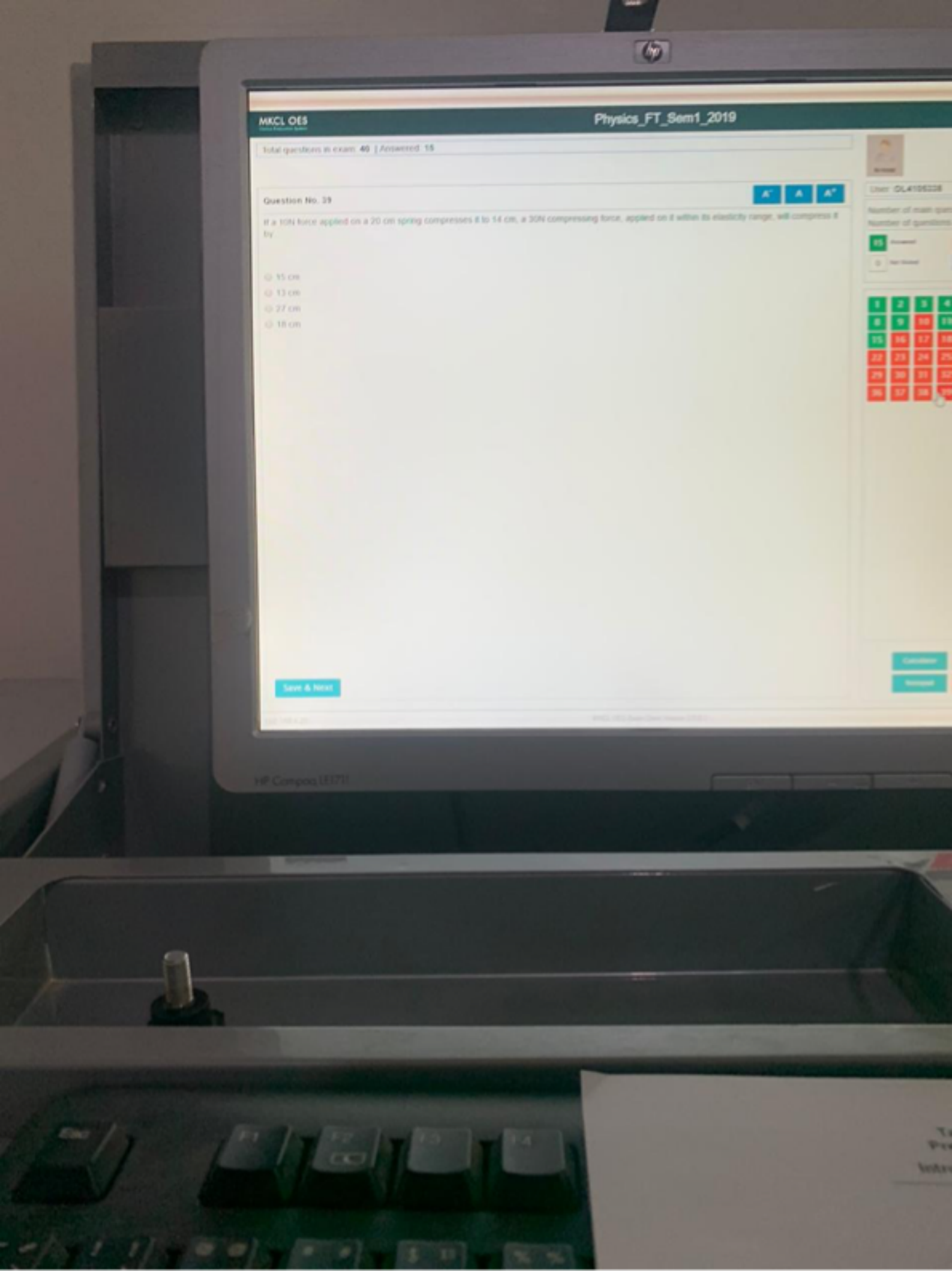
MKCL OES
Physics_FT_Sem1_2019
Total questions in exam: 40 | Answered: 15
Question No. 39
If a 10N force applied on a 20 cm spring compresses it to 14 cm, a 30N compressing force, applied on it within its elasticity range, will compress it by
15 cm
13 cm
27 cm
18 cm
Save & Next

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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

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

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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

ارسل دردشة

1

32

1 2

8 9

15

22

29

36

Question No. 1

How many mega-joules of heat must be given off by 7.0 kg of water (specific heat = 4190 J/kg °C) to cool it from 75 to 10°C?

- 1.91 MJ
- 4.53 MJ
- 7.23 MJ
- 19.1 MJ

Save & Next

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

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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: 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

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Online Evaluation System

Physics_FT_Sem1_20

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

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: 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: **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

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

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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. 1

A temperature of 292 K equals

- 27 °C
- 37 °C
- 19 °C
- 292 °C

Scientific Calculator

292*

292

Save & Next

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

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
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

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

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