Question No. 14

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

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

D

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Question No. 21

A vector is represented by:

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

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Physics_Quiz1_Sem1_2017

Time Remaining: 50:07

User: 160812

Number of questions: 25

4 Answered | 1 Not Answered | 13 Not Visited

1 2 3 4 5 6 7
8 9 10 11 12 13 14
15 16 17 18 19 20 21
22 23 24 25

Question No. 12

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

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

R

$E = 0.1$

$P.U = \frac{0.1}{11.2} \times 100$

$= 0.8\% \rightarrow 1\%$ A.

Question No. 8

The dimensions of (mass/volume) is:

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

$= \frac{M}{L^3}$

$= ML^{-3}$

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Question No. 22

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

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

$= 30 + 40$

$= 70\ N$

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Question No. 16

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

- 500 L
- 50000 L
- 5000 L
- 50 L

$1m^3 \rightarrow 1000L$

$5m^3 \rightarrow x$

$x \rightarrow 5000L$

C.

Physics_Quiz1_Sem

Question No. 25

When two vectors do not act in exactly the same or opposite direction, their resultant can be found using:

- Newton's first law
- Parallelogram rule
- Volume rule
- Circle rule

B.

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Question No. 6

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

- 0.81432
- 0.8
- 0.814
- 0.81

B.

Question No. 10

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

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

12

$= 1.2 \times 10^1$

$= 10^1$ m.

B.

Question No: 16

Convert (5400 s) to minutes:

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

$= \frac{5400 s \rightarrow min.}{60}$

$= 90 min$

A.

A

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HP LE1901w

Physics_Quiz1_Sem

is measured to be about 1400 km. The number of significant figures in this measu

on No. 3

e distance between Sakaka and Makkah is me

4
1
2
3

MKCL OES

Question No. 16

A distance of 0.05 km is equal to:

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

B.

0.05 km → cm

$0.05 \times 10^3 \times 10^2$

$= 5000$ cm

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Question No. 25

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

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

D.

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Question No. 19

Which of the following is NOT an SI unit?

- meter
- foot
- mole
- candela

B

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Online Evaluation System

Question No. 21

Example of a vector is:

- temperature
- mass
- time
- velocity

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Question No. 20

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

- meter
- second
- kilogram
- inch

B

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Question No. 13

The uncertainty in the measurement 8.8 ± 0.1 cm is:

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

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Physics_Quiz1_Sem1_

Question No. 24

Two forces are: (F1 = 100 N, up) & (F2 = 100 N, down). The magnitude of their resultant (R) is:

- 0 N
- 140 N
- 100 N
- 200 N

$= 100 - 100$

$= 0\ N.$

A.

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Question No. 10

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

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

11345

4 3 2 1

$= 1.3 \times 10^4$

C.

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Question No. 6

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

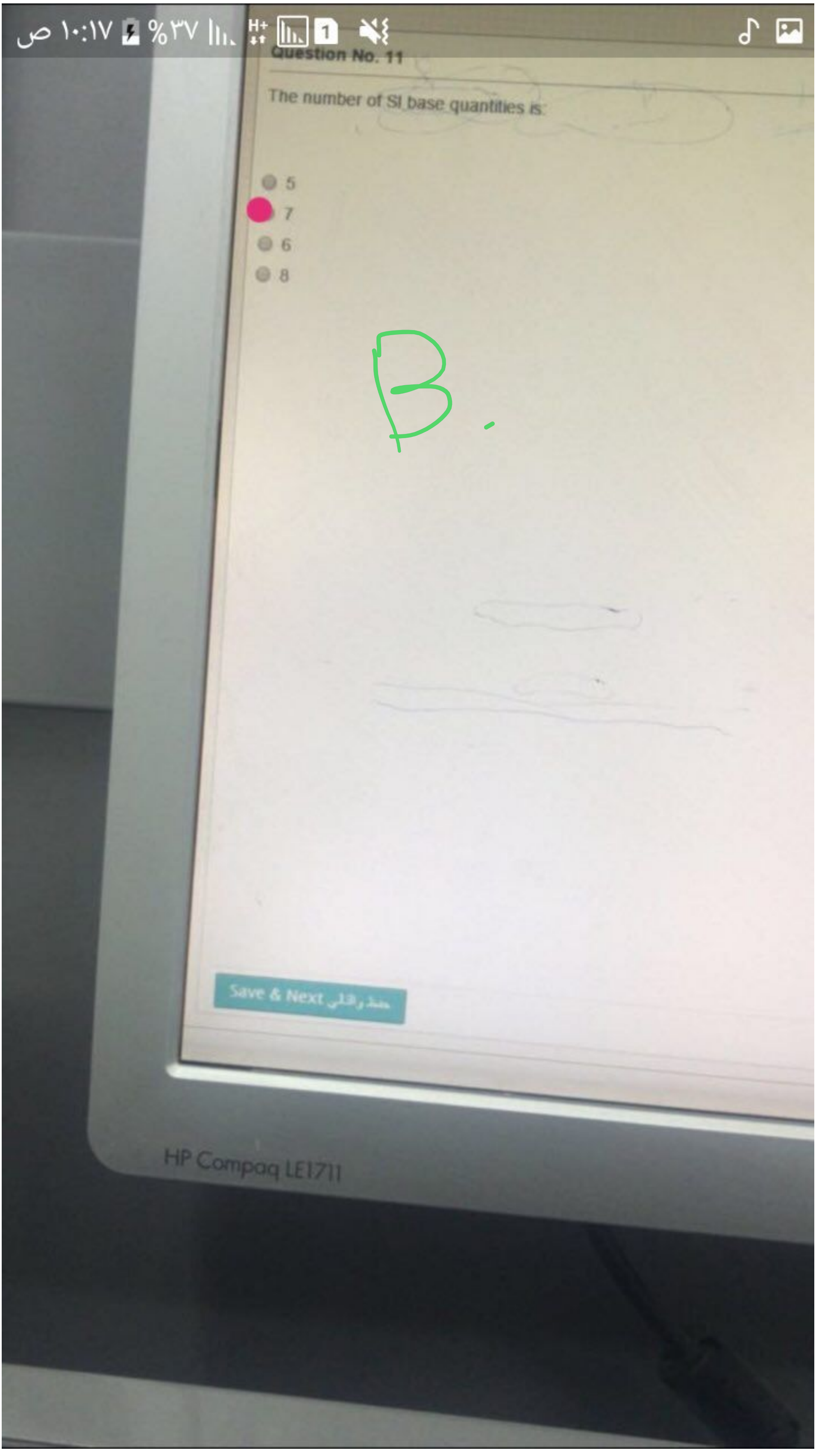
- 10.0
- 11.0
- 10.7
- 10.66

$= 12.7 - 2.04$

$= 10.66$

$= 10.7$ C.

Save & Next


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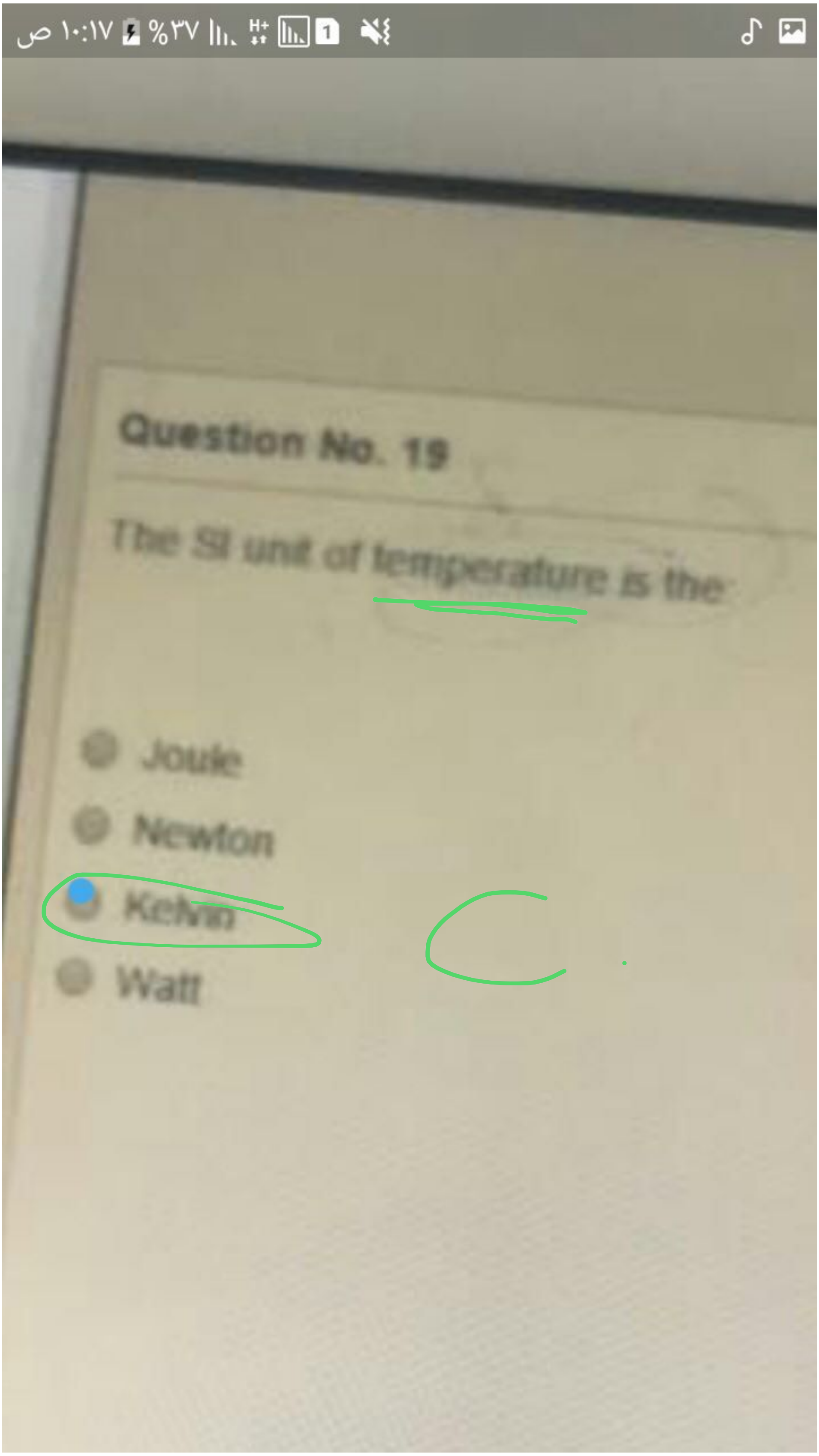
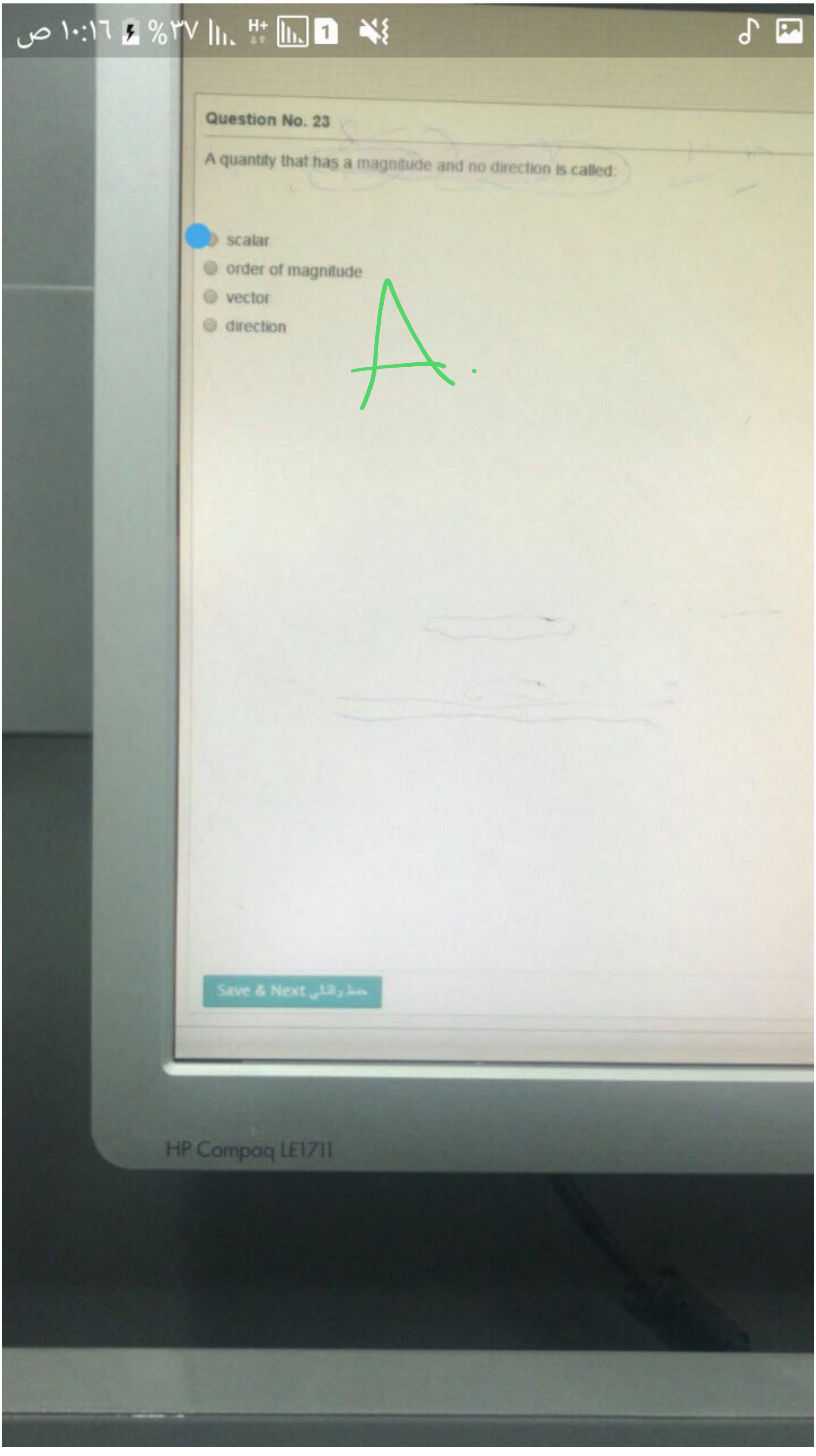

Question No. 19
The SI unit of temperature is the
Joule
Newton
Kelvin
Watt


Question No. 23
A quantity that has a magnitude and no direction is called:
scalar
order of magnitude
vector
direction
A.
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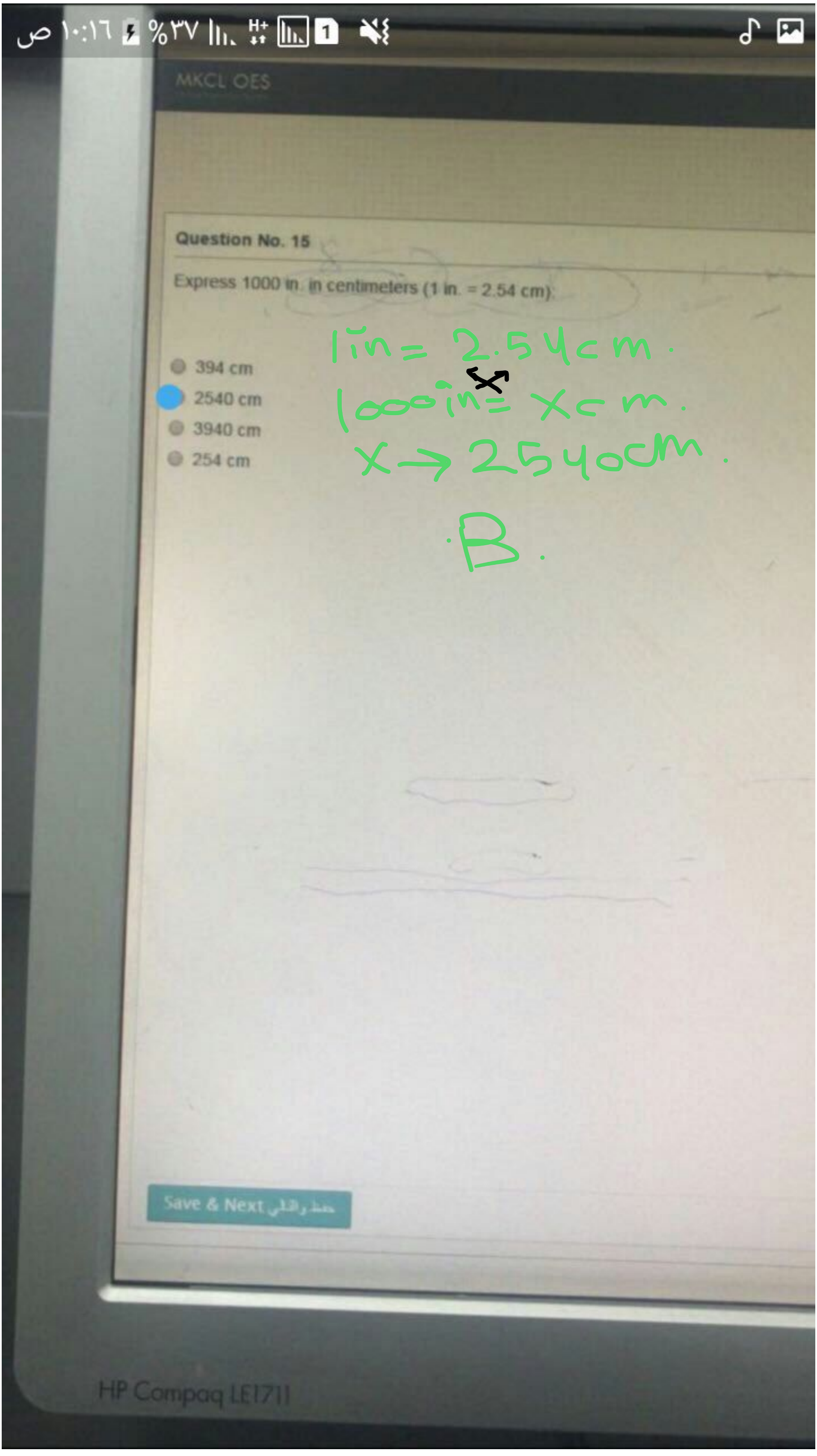
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Question No. 15
Express 1000 in. in centimeters (1 in. = 2.54 cm).
394 cm
2540 cm
3940 cm
254 cm
1 in = 2.54 cm.
1000 in = x cm.
x → 2540 cm.
B.
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Question No. 18

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

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

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Question No. 21

A quantity that requires both magnitude and direction is called:

- scalar
- order of magnitude
- vector
- scientific notation

C.

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Physics_Quiz1_Sem2_20

Question No. 17

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

- 1 μm
- 0.1 μm
- 0.1 nm
- 1 nm

C

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E1901w

Question No. 8

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

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

A

$$L \cdot \frac{LT^{-1}}{L^2} = \frac{L^2 \cdot T^{-1}}{L^2}$$

$$= T^{-1}.$$

Save & Next