تجميعات فيز ميد ١

حلول>> محمد❤️ و 98

بالتوفيق

MKCL OES
Online Evaluation System

Phys

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

Question No. 1

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

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

B

Save & Next

MKCL OES

Online Evaluation System

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

Question No. 2

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

- meter
- kilogram
- inch
- second

D

Save & Next حفظ والتالي

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

- 0.643
- 0.64
- 0.6427876097
- 0.6428

MKCL OES
Online Evaluation System

Physics_Quiz1_Sem2_2019

Total questions in exam: **25** | Answered: **3**

Question No. 4

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

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

A

Save & Next حفظ و التالي

HP Compaq LE1711

MKCL OES

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

Que

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

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

C

Save & Next حفظ والتالي

Total questions in exam: 25

Question No. 5

The decimal form for 7.621×10^2 is:

- 76.21
- 762.1
- 7.621
- 0.7621

B

Save & Next حفظ والتالي

HP Compaq LE1711

MKCL OES
Online Evaluation System

Physics_Quiz

Total questions in exam: 25 | Answered: 0

Q [redacted]

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

- 0.001 Ms
- 0.01 ms
- 1 µs
- 100 ns

C

Save & Next

DELL

MKCL OES
Online Evaluation System

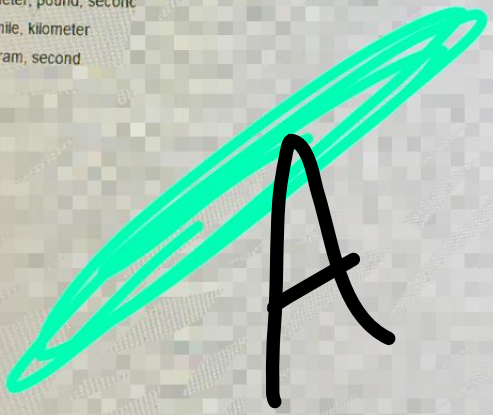
Phys

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

Question No. [redacted]

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

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



Save & Next حفظ و التالی

MKCL OES

Total questions in exam: 25 | Answered: 0

[redacted]

The second is defined in terms of:

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

Save & Next جطر وقلي

MKCL OES
Online Evaluation System

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

Question No. 1

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

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

D

MKCL OES

Total questions in exam: 25 | Answered: 4

Question No. 6

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

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

B

Save & Next

MKCL OES
Online Evaluation System

Total questions in exam: 25 | Answered: 5

Question No. 7

In the scientific notation, 0.0021 is written as:

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

B

Save & Next

MKCL OES

Physics_Quiz1_Sem2_2019

Total questions in exam: 25 | Answered: 8

Question No. 8

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

- 5
- -3
- -5
- 3

D

Save & Next

HP Compaq LE1711

MKCL OES

Total questions in exam: 25 | Answered: 7

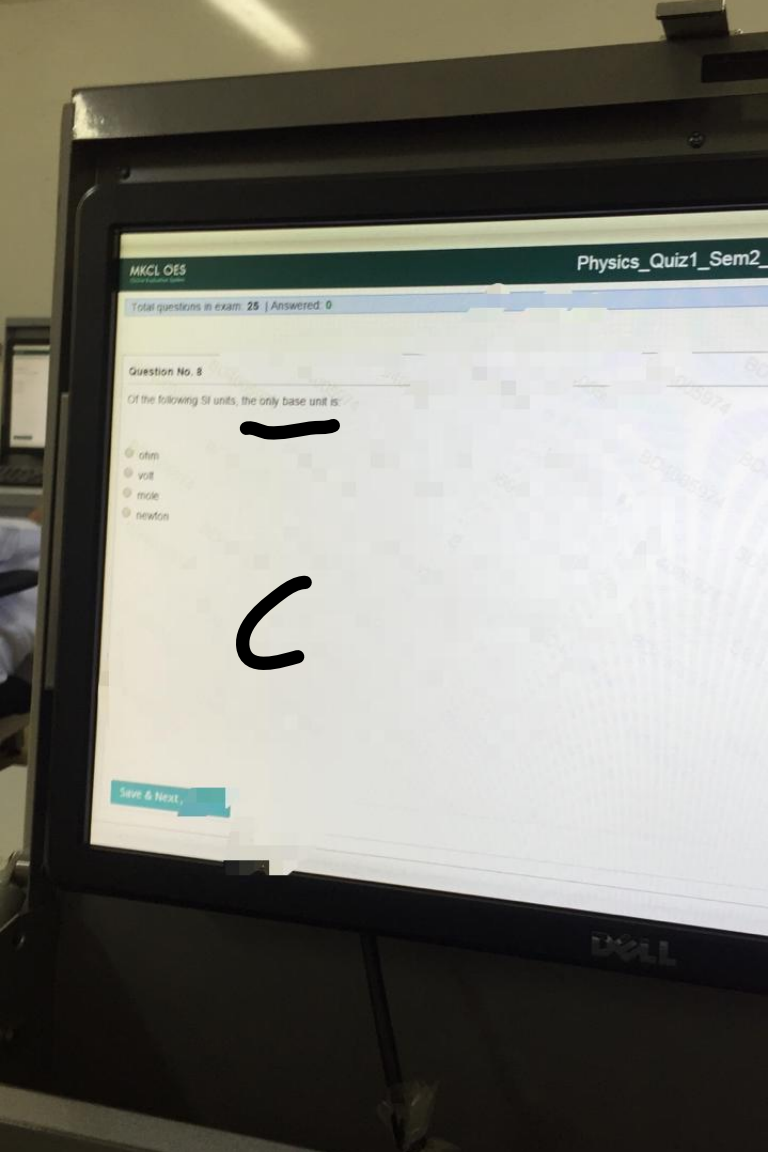
Question No. 8

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

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

C

Save & Next


MKCL OES
Physics_Quiz1_Sem2_
Total questions in exam: 25 | Answered: 0
Question No. 8
Of the following SI units, the only base unit is:
ohm
volt
mole
newton
Save & Next
DELL

MKCL OES
Online Evaluation System

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

Question No. 24

Which of the following is a derived SI quantity?

- length
- electric current
- force
- temperature

C

MKCL OES
Online Evaluation System

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

Question No. 8

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

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

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

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

B

AKCL OES

Physics_Quiz1_Sem2_20

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

Question No. 1

Three forces are: (F1 = 11 N, east), (F2 = 9 N, east) & (F3 = 20 N, east). Their resultant (R) is:

- 40 N, east
- 30 N, west
- 30 N, east
- 40 N, west

A

Save & Next حفظ والتالي

HP LE1901w

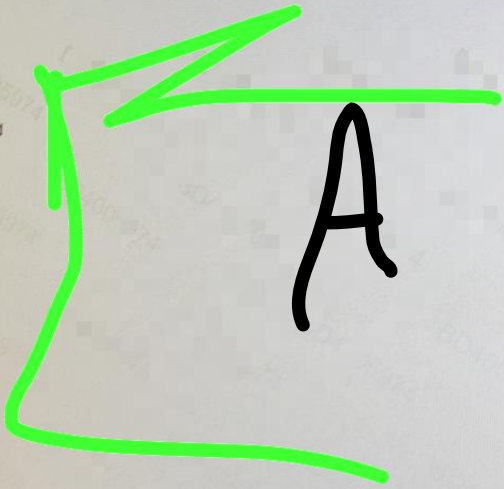
MKCL OES

Total questions in exam: 25 | Answered: 4

Question No. [redacted]

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

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



Save & Next حفظ وقالي

MKCL OES

Total questions in exam: 25 | Answered: 4

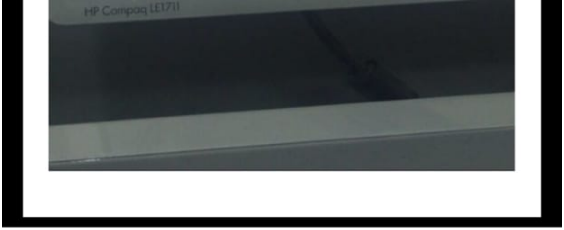
Question No. 11

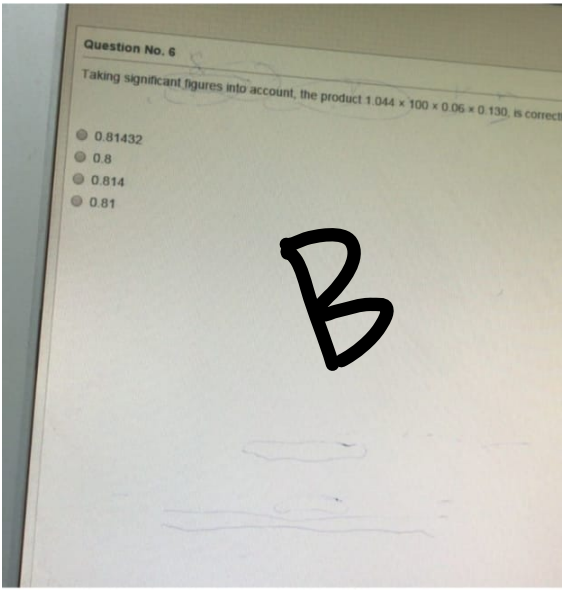
Example of a vector is:

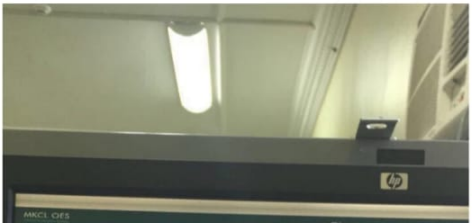
- temperature
- time
- velocity
- mass

C

Save & Next


HP Compaq LE1711


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



MKCL OES

Total questions in exam: 25 | Answered: 4

The dimensions of (time/volume) is:

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

B

Save & Next

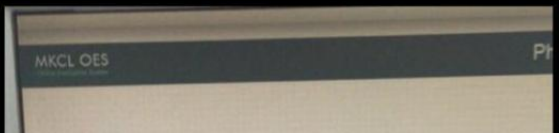
MKCL OES

Question No. 9

The dimensions of (mass/speed) is:

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

A



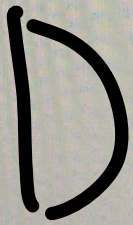
MKCL OES
Online Evaluation System

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

Question No. 1

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

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



Physics_Quiz1_Sem2_

AKCL OES

Total questions in exam: 25 | Answered: 11

Question No. 8

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

221 N

3 N

15 N

21 N

C

Save & Next حفظ والتالي

HP LE1901w

MKCL OES
Online Evaluation System

Total questions in exam: 25 | Answered: 9

Question No. 18

In the scientific notation, 36900 is written as:

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

A

MKCL OES
Online Evaluation System

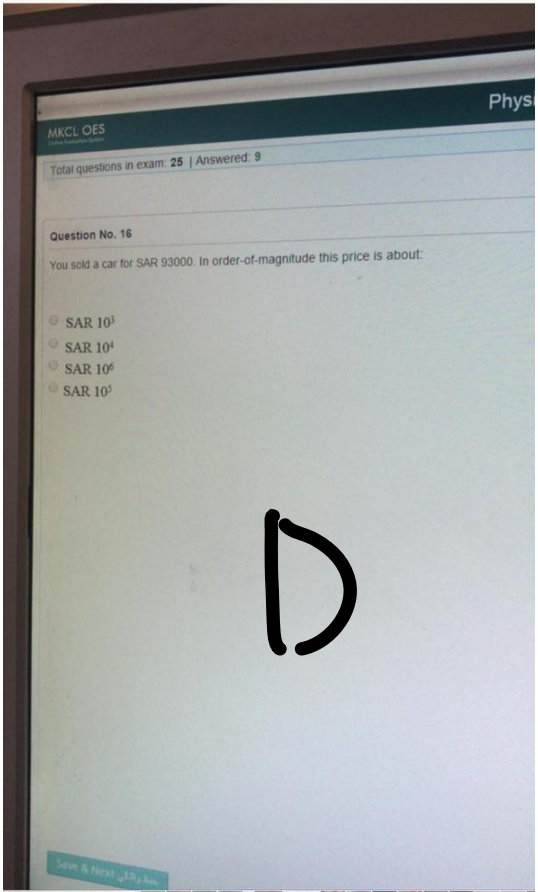
Phys

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

Question No. 21

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

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


MKCL OES
Total questions in exam: 25 | Answered: 9
Question No. 16
You sold a car for SAR 93000. In order-of-magnitude this price is about:
SAR 10^3
SAR 10^4
SAR 10^6
SAR 10^5
Save & Next

MKCL OES
Online Evaluation System

Question No. 19

Which of the following is NOT an SI unit?

- meter
- foot
- mole
- candela

B

Save & Next

MKCL QES

Total questions

Question No. 6

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

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

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

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

B

Save & Next

uestion No. 20

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

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

B

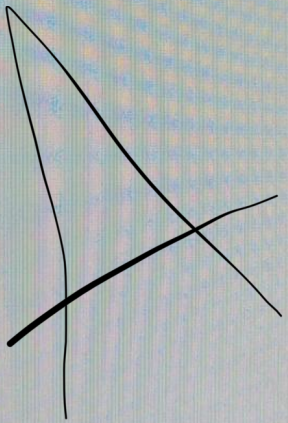
1.5×10^5

Save & Next حفظ و تالي

Question No. 11

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

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



MKCL OES

Total questions in exam: 25 | Answered: 2

Question No. 3

If one light-year (سنة ضوئية) is the distance light travels in 1 year, one year $\approx 3 \times 10^7$ s, and the speed of light in space is $(3 \times 10^8$ m/s), one light-year is approximately:
(distance = speed × time)

- 10^{14} m
- 10^{12} m
- 10^{16} m
- 10^{10} m

$(3 \times 10^7)(3 \times 10^8)$

$= 9 \times 10^{15}$

$= 10^{16}$

C

Save & Next حفظ والتالي

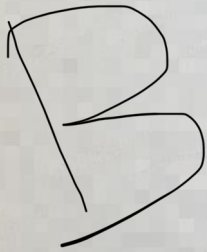
MKCL OES

Physics

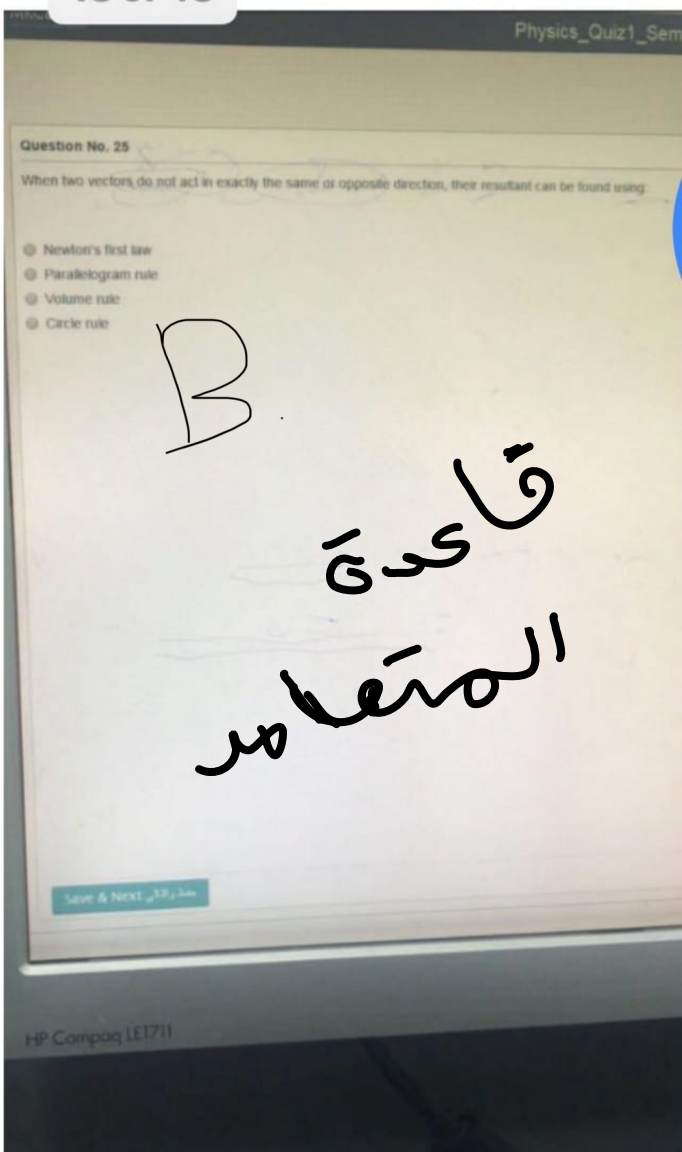
Total questions in exam: **25** | Answered: **7**

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

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



Save & Next जतन व पुढे


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
قاعدة
المتعامد
Save & Next
HP Compaq LE1711

MKCL OES

Total questions in exam: **25** | Answered: **17**

Question No. 15

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

- 11.1
- 11
- 11.11
- 10

Save & Next जतन व पुढील

MKCL OES

Total questions in exam: 25 | Answered: 25

Question No. 19

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

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

MKCL OES

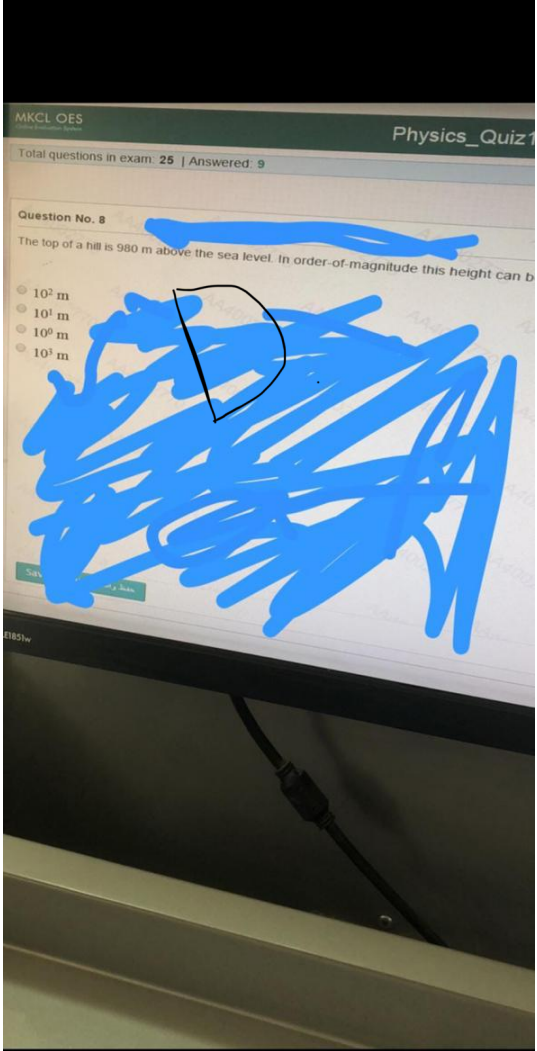
Physics_Quiz1

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

Question No. 8

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

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

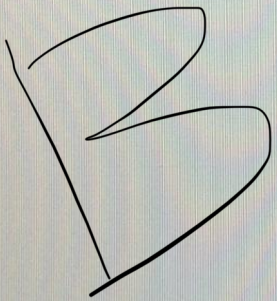


Total questions in exam: **25** | Answered: **19**

Question No. 2

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

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



Question No. 12

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

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

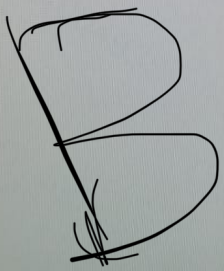
Save & Next حفظ والتالي

HP LE1851w

Question No. 18

A distance of 0.05 km is equal to:

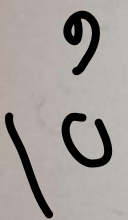
- 50000 cm
- 5000 cm
- 500000 cm
- 500 cm



Question No. 11

A lake with approximately circular surface has an average radius $r = 0.25$ km and average depth $h = 5$ m. The volume V can be estimated using $V = \pi r^2 h$. The mass of water filling the lake is approximately: (hint: mass = density × volume)

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



Total questions in exam: 25 | Answered: 9

Question No. 2

If v is a speed and t is time, the equation

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

is dimensionally correct if k has the dimension of:

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

حفظ واغلق

LE1851w

MKCL OES

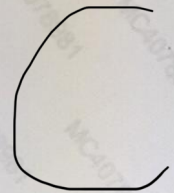
Total questions in exam: 25 | Answered: 25

Physics_Quiz1_Sem2_2019

Question No. 11

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

- 5
- -5
- 7
- -7



Total questions in exam: 25 | Answered: 22

Question No. 19

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

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

Save & Next حفظ والتالي

1851w

MKCL OES

Physics_Quiz1_Sem

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

Save & Next حفظ والتالي

stion No. 17

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

μm
1 μm
1 nm
nm

ons in exam: 25 | Answ

stion No. 2

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

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

is dimensionally correct if k has the dimension of:

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

C

Save & Next حفظ والتالي

HP Compaq LE1711