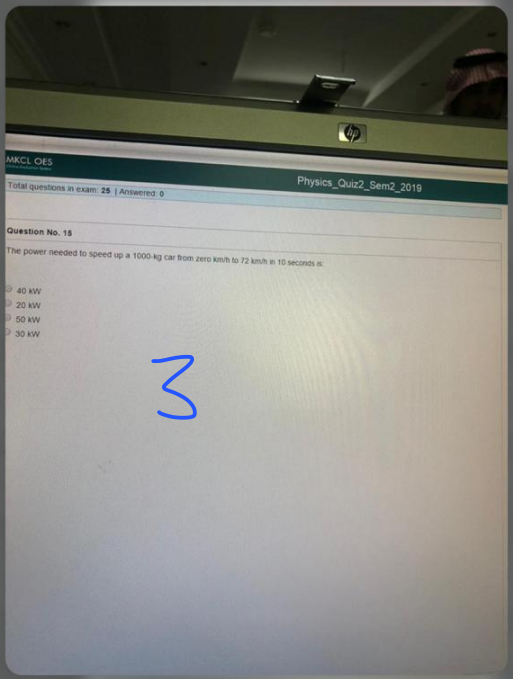
Total questions in exam: 25 | Answered: 1

Question No. 2

An object is thrown vertically upward. Its speed at the maximum height is:

- equals the initial speed by which it was thrown
- greater than the initial speed by which it was thrown.
- zero
- greater than the average speed


MKCL OES
Physics_Quiz2_Sem2_2019
Total questions in exam: 25 | Answered: 0
Question No. 15
The power needed to speed up a 1000-kg car from zero km/h to 72 km/h in 10 seconds is:
40 kW
20 kW
50 kW
30 kW
3

MKCL OES
Online Evaluation System

Physics_Quiz2_Sem

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

Question No. 8

How many kilocalories of heat must be added to 10 kg Tungsten to raise its temperature by 230 Fahrenheit?

(*The specific heat of Tungsten is* $c = 0.134\ J/g.^{\circ}C$ *and* $\Delta T_F = 1.8\Delta T_C$.)

- 4.09 kcal
- 409 kcal
- 0.409 kcal
- 40.9 kcal

4

Save & Next حفظ والتالي

Question No. 8

How many kilocalories of heat must be added to 10 kg Tungsten to raise its temperature by 230 Fahrenheit?

(*The specific heat of Tungsten is* $c = 0.134\ J/g.^{\circ}C$ *and* $\Delta T_F = 1.8\Delta T_C$.)

- 4.09 kcal
- 409 kcal
- 0.409 kcal
- 40.9 kcal

Save & Next حفظ والتالي

Question No. 8

How many kilocalories of heat must be added to 10 kg Tungsten to raise its temperature by 230 Fahrenheit?

(*The specific heat of Tungsten is* $c = 0.134\ J/g.^{\circ}C$ *and* $\Delta T_F = 1.8\Delta T_C$.)

- 4.09 kcal
- 409 kcal
- 0.409 kcal
- 40.9 kcal

Save & Next حفظ والتالي

Total questions in

Question No. 3

In the Kelvin temperature scale, water freezes at:

- 212 K
- 273 K
- 0 K
- 32 K

2

MKCL OES

Physics_Quiz

Total questions in exam: 25 | Answered: 0

Question No. 5

The friction between two surfaces increases as:

- area between the surfaces increases.
- the normal force between the surfaces decreases.
- the coefficient of friction decreases.
- the normal force between the surfaces increases.

45.

Question No. 6

A pump is needed to lift 3000 L of water in a minute a distance of 30 m. What power must the pump be able to deliver? (1 L of water has a mass of 1 kg)

- 30 kW
- 15 kW
- 25 kW
- 20 kW

2

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Number of
Number of

5 Answere

11 Not Visit

1 2
8 9
15 16
22 23

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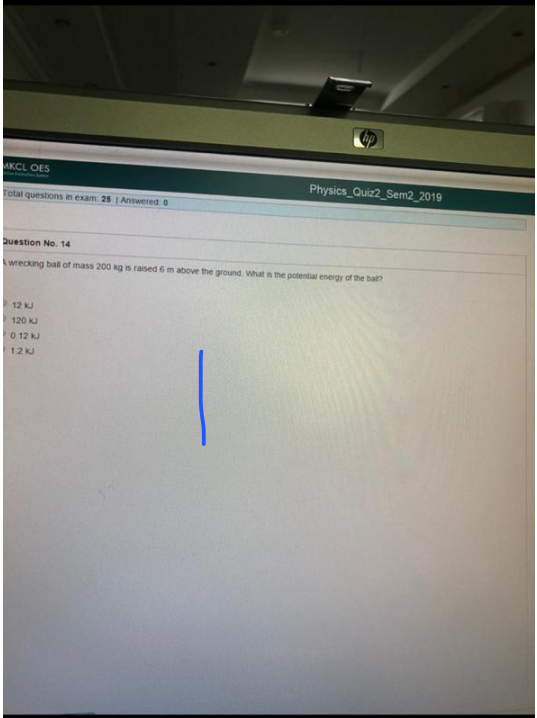

MKCL OES
Physics_Quiz2_Sem2_2019
Total questions in exam: 25 | Answered: 0
Question No. 14
wrecking ball of mass 200 kg is raised 6 m above the ground. What is the potential energy of the ball?
12 kJ
120 kJ
0.12 kJ
1.2 kJ

OES

Physics_Quiz2_Sem2_2019

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

tion No. 13

a man pushes on a wall with force 100 N, the wall pushes back on him with force of magnitude:

N

N

N

CL OES
Physics_Quiz2_Sem2_2019
l questions in exam: 25 | Answered: 0

stion No. 16

orce of 1000 N is making an angle of 60° with the direction of motion of an object. ne work done is 500 kJ, the distance moved is:

km
km
5 km
5 km

MKCL OES
Online Evaluation System

Physics_Quiz2_Sem2_2019

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

Question No. 17

The human body average temperature is 98.6 °F. What is it in °C?

- 373 °C
- 40 °C
- 310 °C
- 37 °C

MKCL OES
Online Evaluation System

Physics_Quiz2_Sem

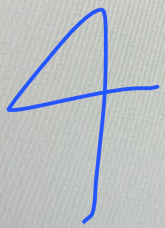
Total questions in exam: **25** | Answered: **0**

Question No. 8

How many kilocalories of heat must be added to 10 kg Tungsten to raise its temperature by 230 Fahrenheit?

(*The specific heat of Tungsten is* $c = 0.134\ J/g.^{\circ}C$ *and* $\Delta T_F = 1.8\Delta T_C$.)

- 4.09 kcal
- 409 kcal
- 0.409 kcal
- 40.9 kcal



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OES

Physics_Quiz2_Sem2_2019

uestions in exam: **25** | Answered: **0**

on No. 15

wer needed to speed up a 1000-kg car from zero km/h to 72 km/h in 10 seconds is:

W
W
W
W

MKCL OES
Online Evaluation System

Physics_Quiz2_Sem2_2019

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

Question No. 18

Neglecting air resistance, if a stone is thrown straight up with initial speed = 30 m/s, it will reach its maximum height after (use

- 10 s
- 3 s
- 1 s
- 6 s

Save & Next

MKCL OES
Online Evaluation System

Physics_Quiz2_Sem2_2019

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

Question No. 19

Gravitational potential energy of an object is due to its:

- temperature
- position
- velocity
- acceleration

Save & Next جतन व अगला

OES

Physics_Quiz2_Sem2_2019

uestions in exam: **25** | Answered: **0**

on No. 15

wer needed to speed up a 1000-kg car from zero km/h to 72 km/h in 10 seconds is:

W
W
W
W

MKCL OES
Online Evaluation System

Physics_Quiz2_Sem2_2019

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

Question No. 18

Neglecting air resistance, if a stone is thrown straight up with initial speed = 30 m/s, it will reach its maximum height after (use

- 10 s
- 3 s
- 1 s
- 6 s

Save & Next

MKCL OES
Online Evaluation System

Physics_Quiz2_Sem2_2019

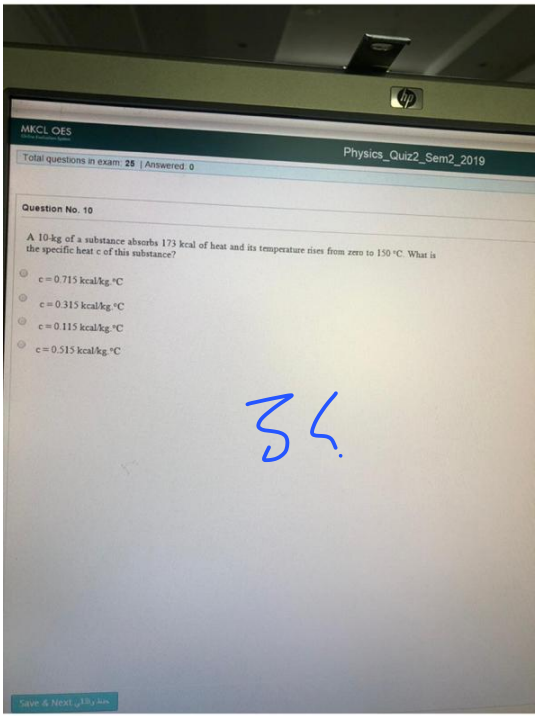
Total questions in exam: **25** | Answered: **0**

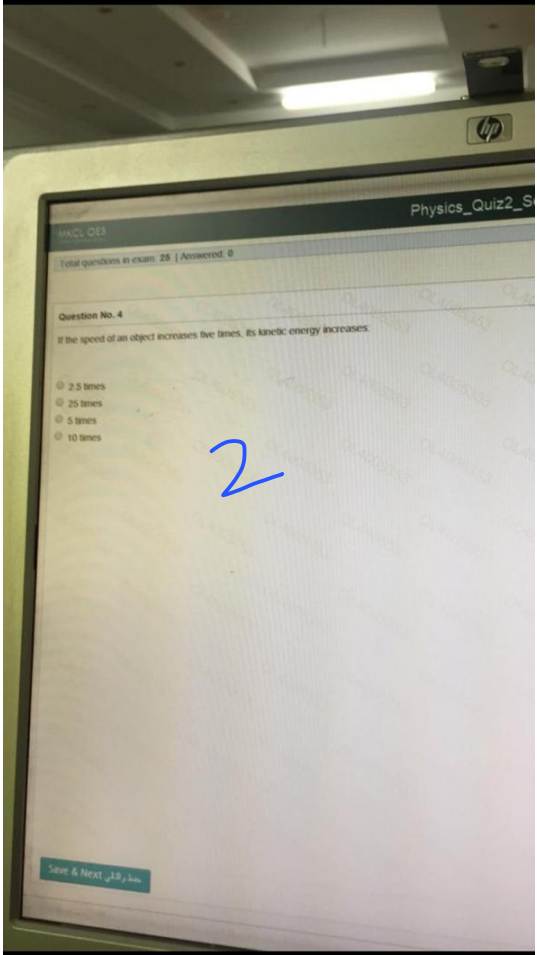
Question No. 19

Gravitational potential energy of an object is due to its:

- temperature
- position
- velocity
- acceleration

Save & Next جतन व पुढील




MCQ QES
Physics_Quiz2_S
Total questions in exam: 25 | Answered: 0
Question No. 4
If the speed of an object increases five times, its kinetic energy increases:
2.5 times
25 times
5 times
10 times
2
Save & Next حفظ والتالي

MKCL OES
Online Evaluation System

Physics_Quiz2_Sem2_2019

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

Question No. 22

A constant force F is making an angle 25° with the direction of motion of an object. If the distance moved is 100 m and the work done on the object is 1820 J, the force F is:

- 40 N
- 20 N
- 10 N
- 30 N

2

Save & Next جفظ والتالي

MKCL OES
Online Evaluation System

Physics_Quiz2_Sem2_201

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

Question No. 20

A rock falls from an edge of a mountain 45 m above the ground. Find its speed as it hits the ground? (use $g = 10\ m/s^2$)

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

Save & Next جمع والتالي

MKCL OES
Online Evaluation System

Physics_Quiz2_Sem2_2019

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

Question No. 23

A car in linear motion has initial speed = 72 km/h. If it travels for 15 seconds with acceleration = 2 m/s/s, the total distance it co

- 225 m
- 800 m
- 100 m
- 525 m

Save & Next جفظ والتالي

Question No. 22

A constant force F is making an angle 25° with the direction of motion of an object. If the distance moved is 100 m and the work done on the object is 1820 J, the force F is:

- 40 N
- 20 N
- 10 N
- 30 N

Save & Next جمع والتالي

MKCL OES
Online Evaluation System

Physics_Quiz2_Sem2_2019

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

Question No. 23

A car in linear motion has initial speed = 72 km/h. If it travels for 15 seconds with acceleration = 2 m/s/s, the total distance it co

- 225 m
- 800 m
- 100 m
- 525 m

Save & Next جفظ والتالي

Question No. 22

A constant force F is making an angle 25° with the direction of motion of an object. If the distance moved is 100 m and the work done on the object is 1820 J, the force F is:

- 40 N
- 20 N
- 10 N
- 30 N

Save & Next جمع والتالي

MKCL OES
Online Evaluation System

Physics_Quiz2_Sem2_201

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

Question No. 20

A rock falls from an edge of a mountain 45 m above the ground. Find its speed as it hits the ground? (use $g = 10\ m/s^2$)

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

Save & Next جمع والتالي

estion No. 24

stone drops in a free fall from the edge of a mountain, how long does it take to fall 125 m: (use g = 10 m/s/s):

10 s
5 s
15 s
25 s

Save & Next حفظ والتالي

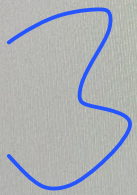
KCL OES
Physics_Quiz2_Sem2_2019

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

uestion No. 25

t what speed does a 20-N weight have a kinetic energy of 100 J?

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



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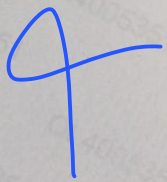
MKCL OES

Total questions in exam: 25 | Answered: 4

Question No. 2

If no net force acts on a moving object, it will have:

- increasing velocity
- zero velocity
- increasing acceleration
- zero acceleration



MKCL OES

Physics_Quiz2_Sem2_2

Total questions in exam: 25 | Answered: 4

Question No. 5

A man has a mass of 80 kg on the Moon. His mass on the Earth is

- M = 80 kg
- M > 80 kg
- M = 13.3 kg
- M < 80 kg

Save & Next

HP Compaq LE1711

estion No. 24

stone drops in a free fall from the edge of a mountain, how long does it take to fall 125 m: (use g = 10 m/s/s):

10 s
5 s
15 s
25 s

Save & Next حفظ والتالي

Total questions in exam: 25 | Answered: 5

Question No. 8

Energy is defined as the:

- speed x time
- mass x speed
- mass x acceleration
- ability to do work

4

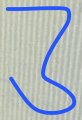
MKCL OES
Online Evaluation System

Total questions in exam: **25** | Answered: **4**

Question No. 15

The law of action and reaction is Newton's:

- Inertia law
- Second law
- Third law
- First law



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KCL OES

Physics_Quiz2_

otal questions in exam: 25 | Answered: 4

Question No. 18

f an object is falling with an acceleration that is less than the acceleration due to gravity, the object:

- must have big inertia.
- must have a small mass.
- is non-freely falling.
- is freely falling.

Save & Next

MKCL OES
Online Evaluation System

Total questions in exam: **25** | Answered: **4**

Question No. 2

If no net force acts on a moving object, it will have:

- increasing velocity
- zero velocity
- increasing acceleration
- zero acceleration

Question No. 6

Which of the following temperatures is NOT possible?

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

MKCL OES

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

Question No. 7

In the Celsius temperature scale, water boils at:

- 212 °C
- 273 °C
- 100 °C
- 373 °C

3

otal questions in exam: 25 | Answered: 4

Question No. 18

f an object is falling with an acceleration that is less than the acceleration due to gravity, the object:

- must have big inertia.
- must have a small mass.
- is non-freely falling.
- is freely falling.

Save & Next

MKCL OES

Total questions in exam: 25 | Answered: 7

Question No. 9

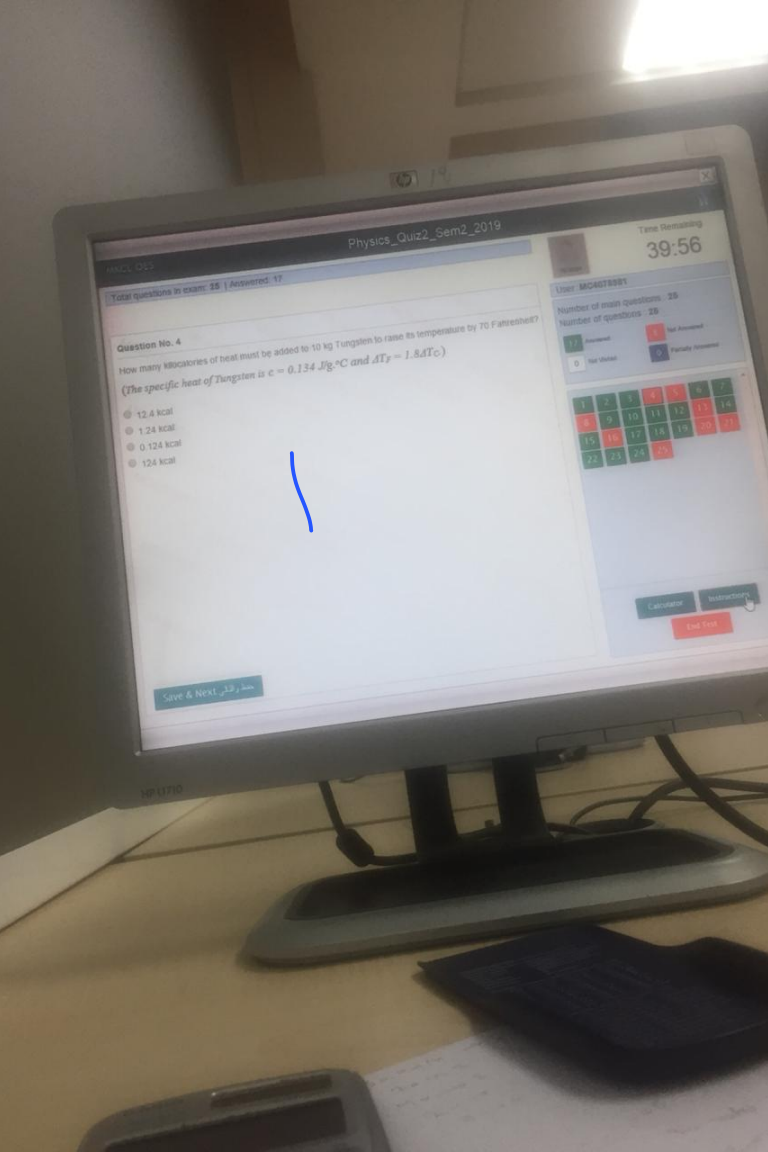
According to Newton's second law (F=ma), if F is kept constant, then:

- F = a/m
- a = m
- m is directly proportional to the acceleration a
- m is inversely proportional to the acceleration a

3

$F = m a$

Save & Next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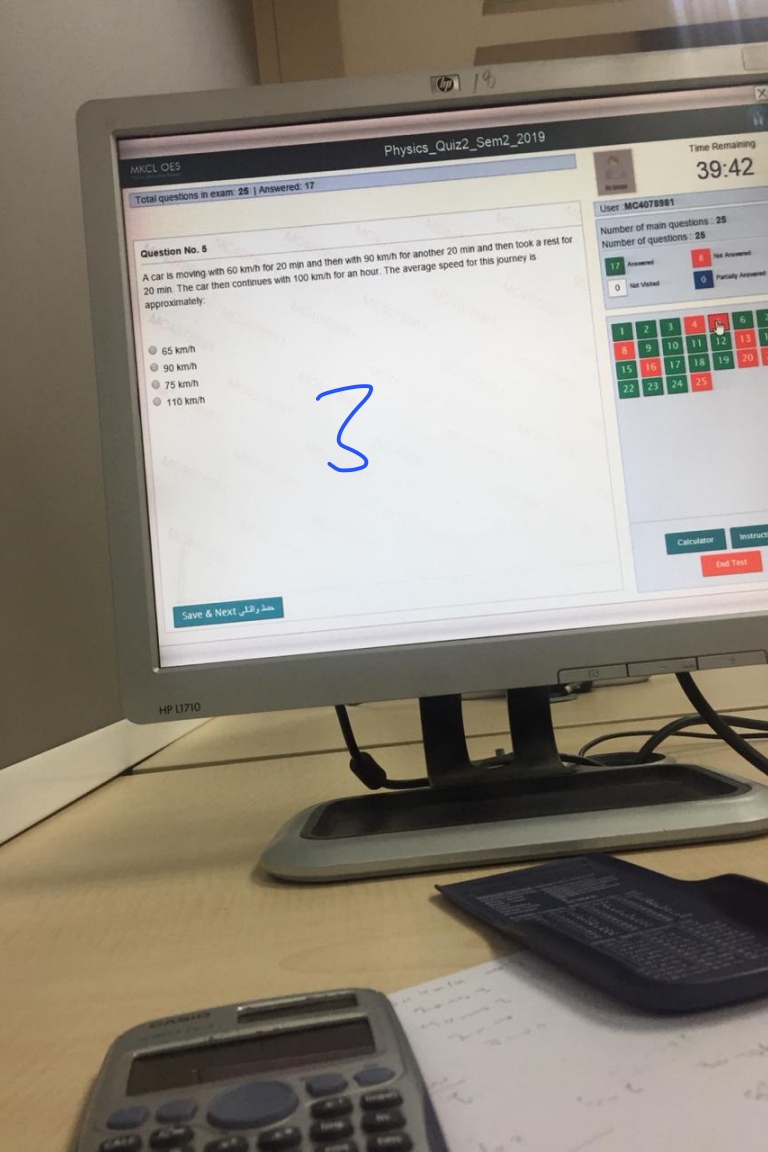
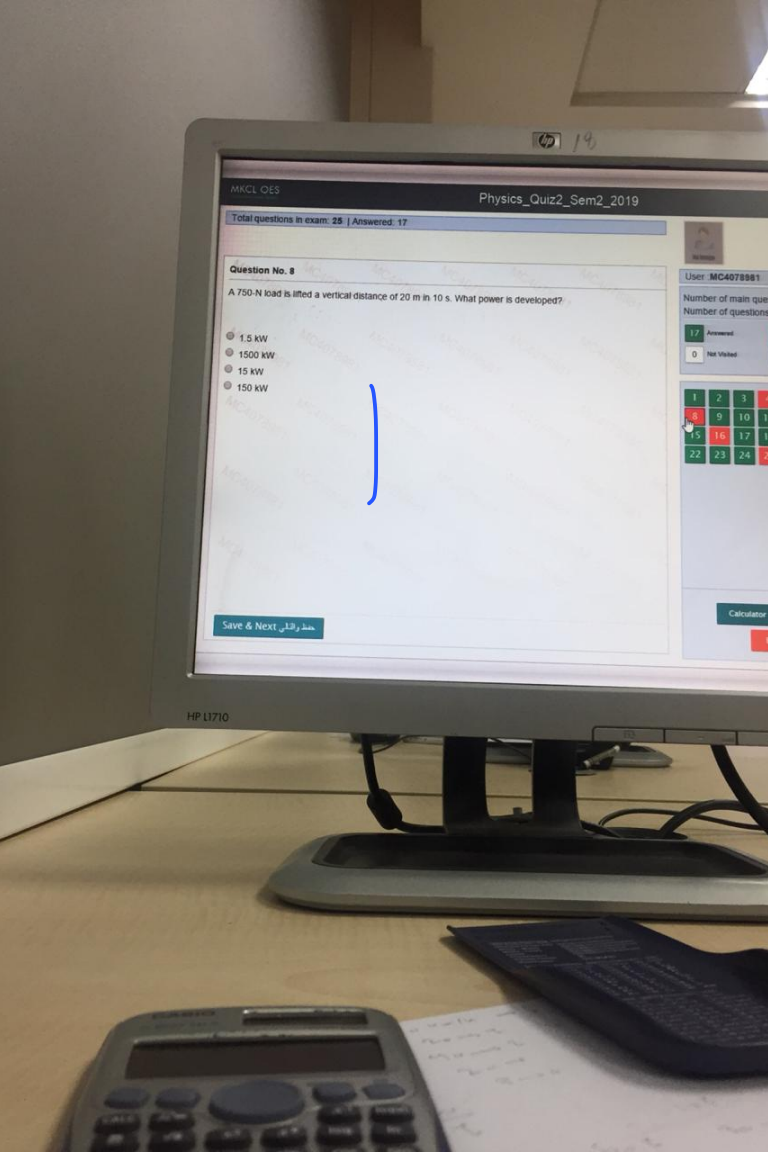
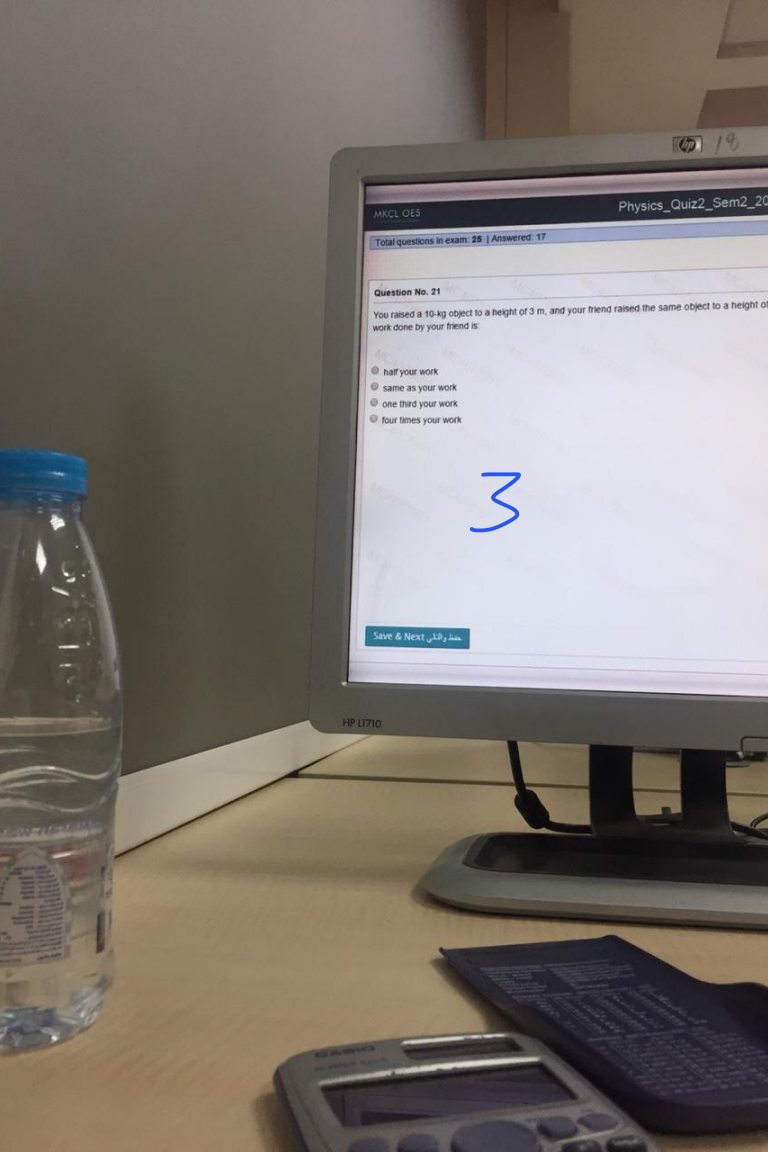
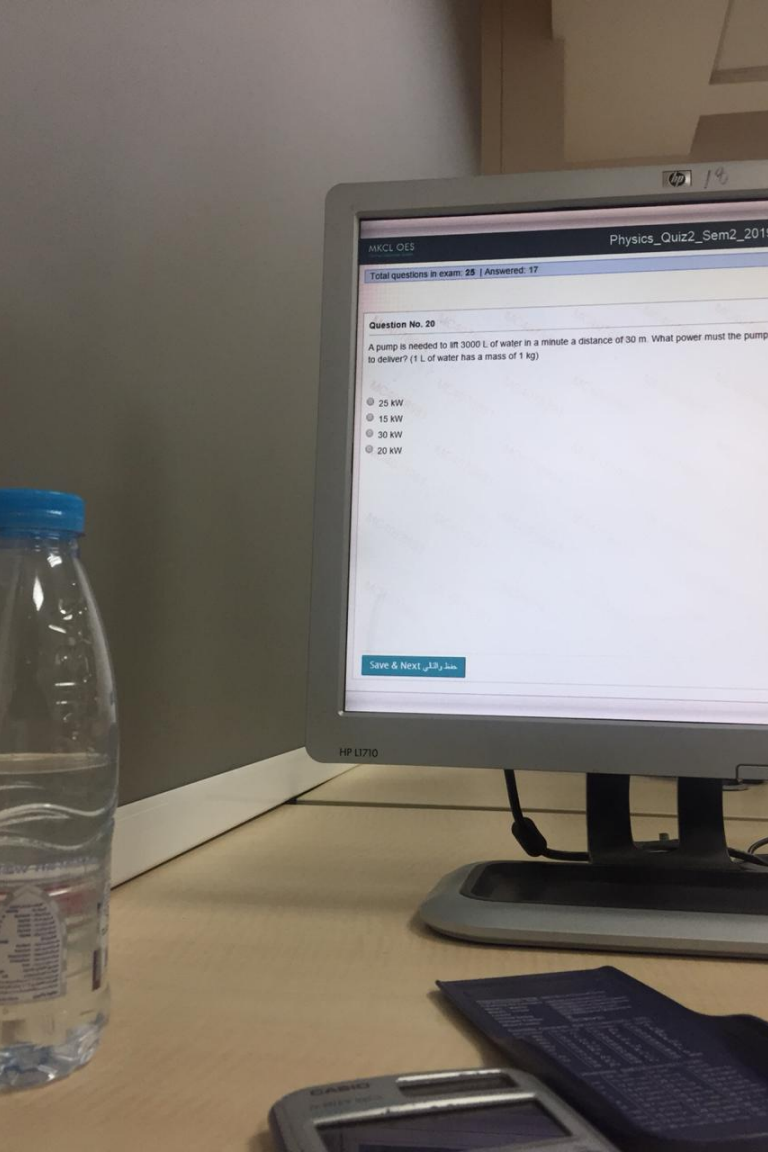
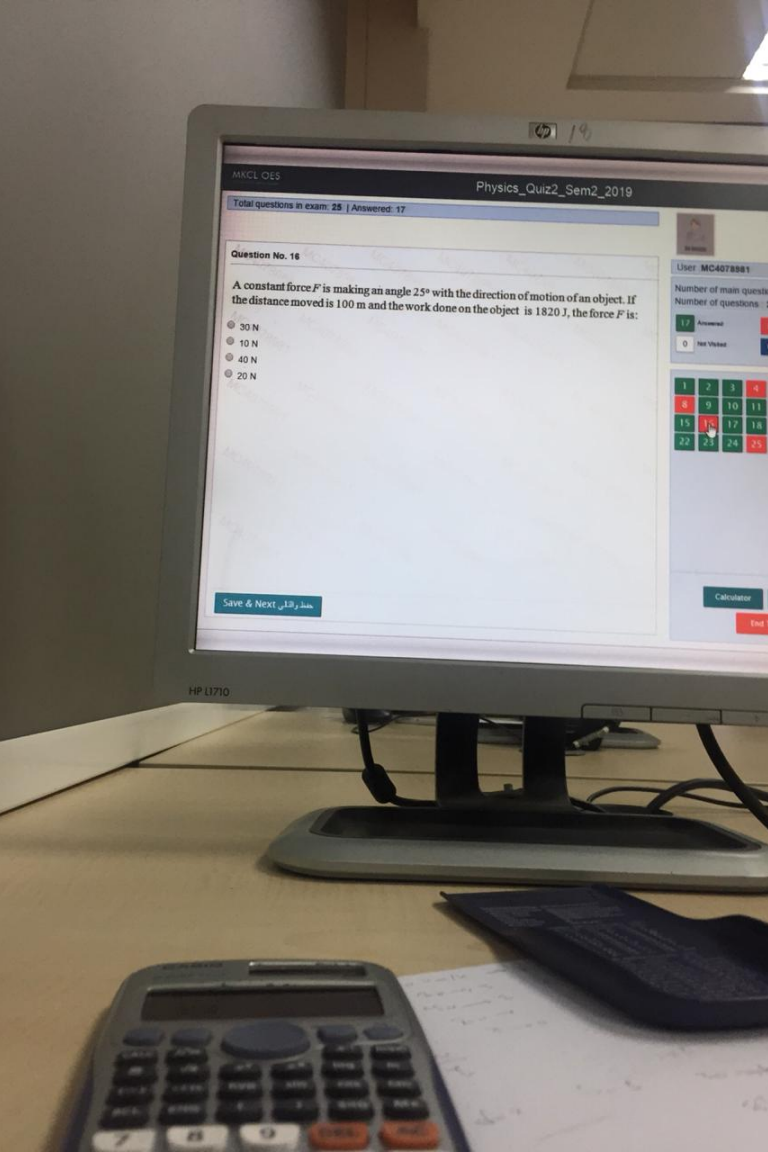
Time Remaining
39:56
Total questions in exam: 25 | Answered: 17
Question No. 4
How many kilocalories of heat must be added to 10 kg Tungsten to raise its temperature by 70 Fahrenheit?
(The specific heat of Tungsten is $c = 0.134\ J/g.^{\circ}C$ and $\Delta T_F = 1.8\Delta T_C$)
12.4 kcal
1.24 kcal
0.124 kcal
124 kcal
User: MC40738881
Number of main questions : 25
Number of questions : 25
17 Answered
8 Not Answered
0 Not Visited
0 Partially Answered
Calculator
Instructions
End Test
Save & Next حفظ وتالي


MKCL OES
Physics_Quiz2_Sem2_2019
Time Remaining
39:42
Total questions in exam: 25 | Answered: 17
User: MC4078981
Number of main questions : 25
Number of questions : 25
Question No. 5
A car is moving with 60 km/h for 20 min and then with 90 km/h for another 20 min and then took a rest for 20 min. The car then continues with 100 km/h for an hour. The average speed for this journey is approximately:
65 km/h
90 km/h
75 km/h
110 km/h
3
Calculator
End Test
Save & Next
HP L1710


MKCL OES
Physics_Quiz2_Sem2_2019
Total questions in exam: 25 | Answered: 17
Question No. 8
A 750-N load is lifted a vertical distance of 20 m in 10 s. What power is developed?
1.5 kW
1500 kW
15 kW
150 kW
Save & Next
User MC4078981
Number of main que
Number of questions
17 Answered
0 Not Visited
1 2 3
8 9 10
15 16 17
22 23 24
Calculator
HP L1710


MKCL OES
Physics_Quiz2_Sem2_20
Total questions in exam: 25 | Answered: 17
Question No. 21
You raised a 10-kg object to a height of 3 m, and your friend raised the same object to a height of
work done by your friend is:
half your work
same as your work
one third your work
four times your work
3
Save & Next
HP LI710


MKCL OES
Physics_Quiz2_Sem2_201
Total questions in exam: 25 | Answered: 17
Question No. 20
A pump is needed to lift 3000 L of water in a minute a distance of 30 m. What power must the pump
to deliver? (1 L of water has a mass of 1 kg)
25 kW
15 kW
30 kW
20 kW
Save & Next
HP L1710


MKCL OES
Physics_Quiz2_Sem2_2019
Total questions in exam: 25 | Answered: 17
Question No. 16
A constant force F is making an angle 25° with the direction of motion of an object. If the distance moved is 100 m and the work done on the object is 1820 J, the force F is:
30 N
10 N
40 N
20 N
Save & Next
Calculator
HP L1710

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

Question No. 10

How long would it take a 1500-W motor to raise a 100-kg mass to a height of 15 m?

- 40 s
- 30 s
- 20 s
- 10 s

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

Question No. 10

How long would it take a 1500-W motor to raise a 100-kg mass to a height of 15 m?

- 40 s
- 30 s
- 20 s
- 10 s

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

Question No. 11

A painter weighting 630 N climbs to a height of 5 m on a ladder. What is the increase in gravitational potential energy of the painter?

- 3.15 J
- 3.15 kJ
- 31.5 kJ
- 31.5 J

Save & Next حفظ والتالي

MKCL OES
Online Evaluation System

Physic

Total questions in exam: **25** | Answered: **18**

Question No. 5

The unit of the coefficient of friction is:

- m/s/s
- newton
- newton/kg
- has no units

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

Question No. 21

A force of 1 N is the same as:

- 1 kg m s
- 1 kg m/s/s
- 1 kg m/s
- 1 kg s/m

2

Save & Next حفظ والتالي

uestion No. 13

he power needed to speed up a 1000-kg car from zero km/h to 90 km/h in 10 seconds is:

- 45.5 kW
- 41.5 kW
- 31.25 kW
- 21.5 kW

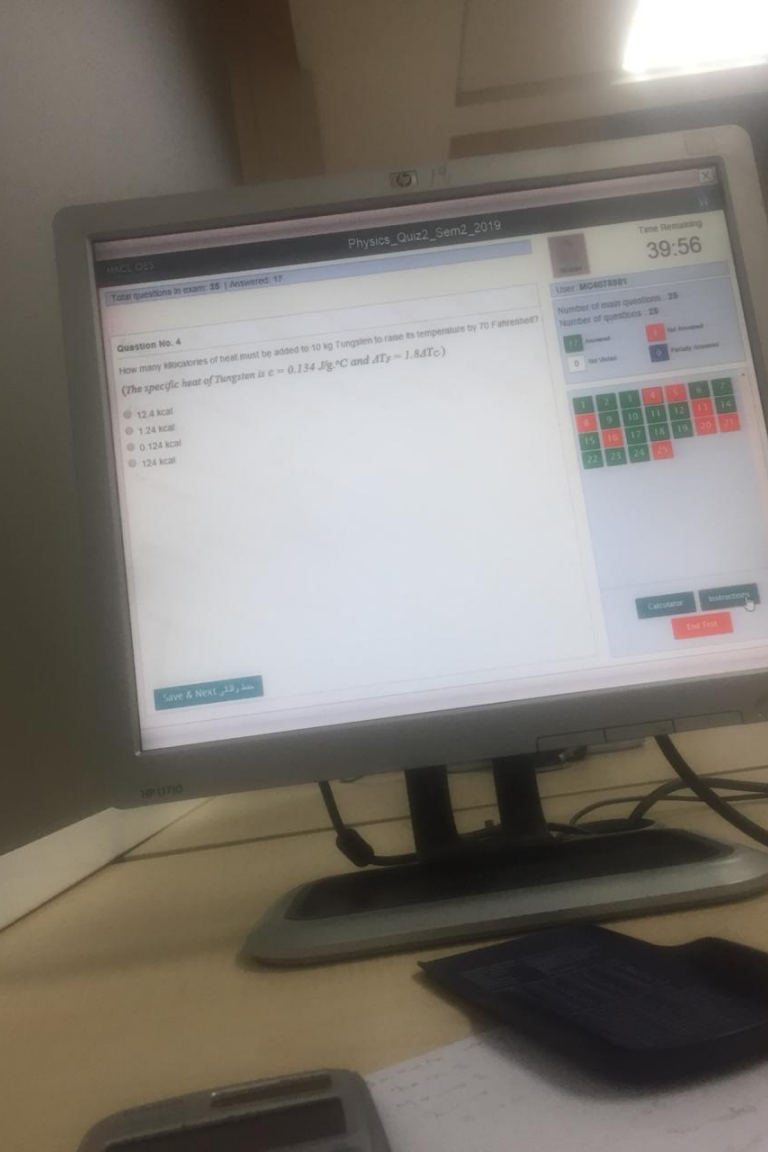
Save & Next حفظ والتالي

Total questions in exam: 25 | Answered: 0

Question No. 5

The friction between two surfaces increases as:

- area between the surfaces increases.
- the normal force between the surfaces decreases.
- the coefficient of friction decreases.
- the normal force between the surfaces increases.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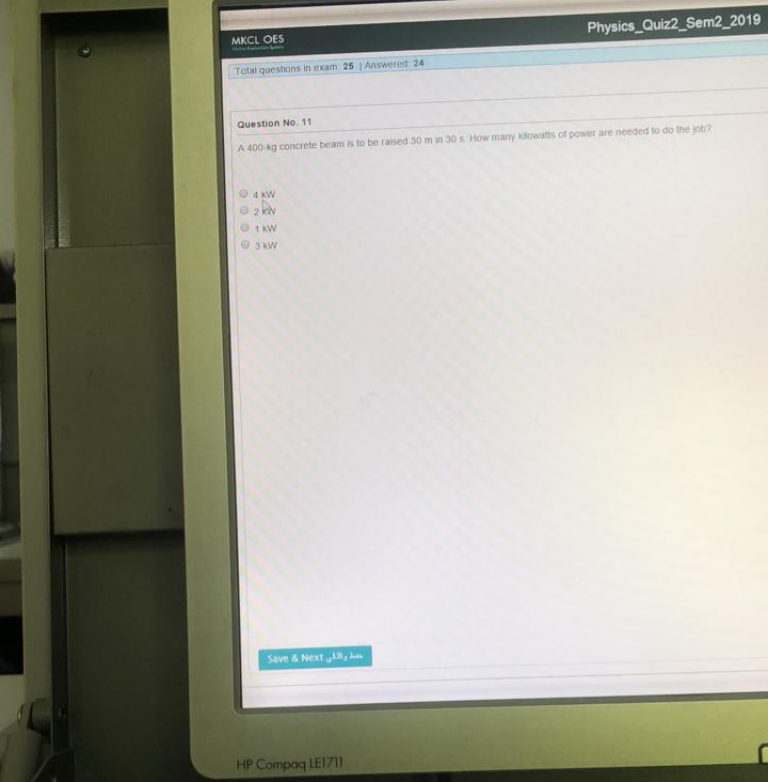
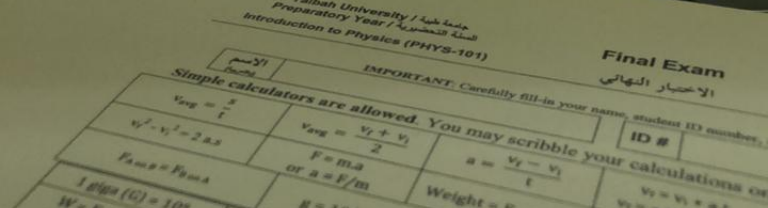
Time Remaining
39:56
Total questions in exam: 25 | Answered: 17
Question No. 4
How many kilocalories of heat must be added to 10 kg Tungsten to raise its temperature by 70 Fahrenheit?
(The specific heat of Tungsten is $c = 0.134\ J/g.^{\circ}C$ and $\Delta T_F = 1.8\Delta T_C$)
12.4 kcal
1.24 kcal
0.124 kcal
124 kcal
Number of main questions : 25
Number of questions : 25
17 Answered
1 Not Answered
0 Not Visited
7 Partially Answered
Calculator
Instructions
End Test
Save & Next
HP 0710


MKCL OES
Physics_Quiz2_Sem2_2019
Total questions in exam: 25 | Answered: 24
Question No. 11
A 400-kg concrete beam is to be raised 30 m in 30 s. How many kilowatts of power are needed to do the job?
4 kW
2 kW
1 kW
3 kW
Save & Next
HP Compaq LE1711


Taibah University / جامعة طيبة
Preparatory Year / السنة التحضيرية
Introduction to Physics (PHYS-101)
Final Exam
الاختبار النهائي
IMPORTANT: Carefully fill-in your name, student ID number,
Simple calculators are allowed. You may scribble your calculations
ID #
$v_{avg} = \frac{s}{t}$
$v_{avg} = \frac{v_f + v_i}{2}$
$a = \frac{v_f - v_i}{t}$
$v_f^2 - v_i^2 = 2as$
$F = ma$
or $a = F/m$
$F_{A\to B} = F_{B\to A}$
Weight =
1 giga (G) = 10
$v_f = v_i + at$

MKCL OES

Total questions in exam: 25 | Answered: 12

Question No. 14

If a bullet is fired from a handgun with a force F1, the handgun recoils (ढकेलता) with a

- F1 and F2 are not equal
- F1 and F2 are equal and in the same direction
- F1 and F2 are equal and perpendicular
- F1 and F2 are equal and opposite

2

uestion No. 13

he power needed to speed up a 1000-kg car from zero km/h to 90 km/h in 10 seconds is:

- 45.5 kW
- 41.5 kW
- 31.25 kW
- 21.5 kW

Save & Next حفظ والتالي

Question No. 8

How many kilocalories of heat must be added to 10 kg Tungsten to raise its temperature by 230 Fahrenheit?

(*The specific heat of Tungsten is* $c = 0.134\ J/g.^{\circ}C$ *and* $\Delta T_F = 1.8\Delta T_C$.)

- 4.09 kcal
- 409 kcal
- 0.409 kcal
- 40.9 kcal

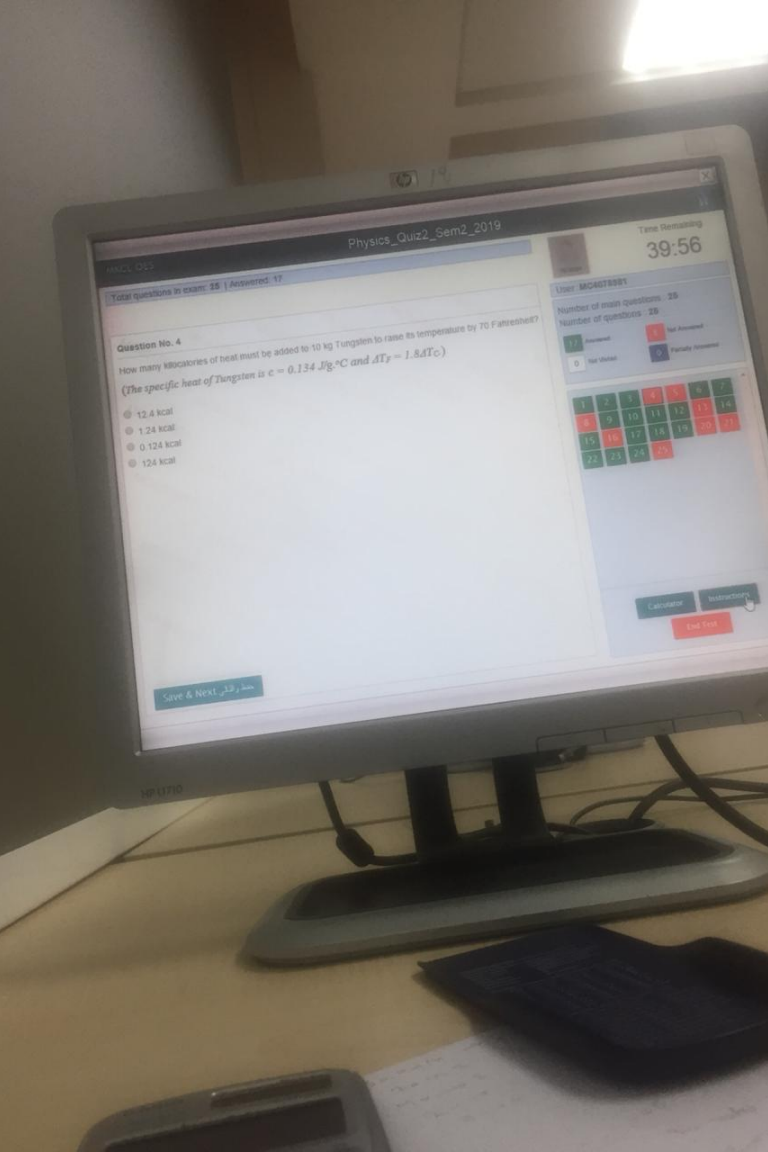
Save & Next حفظ والتالي

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

Question No. 22

If there is a net force acting on a moving object, the object must be:

- small
- moving with constant velocity
- large
- accelerating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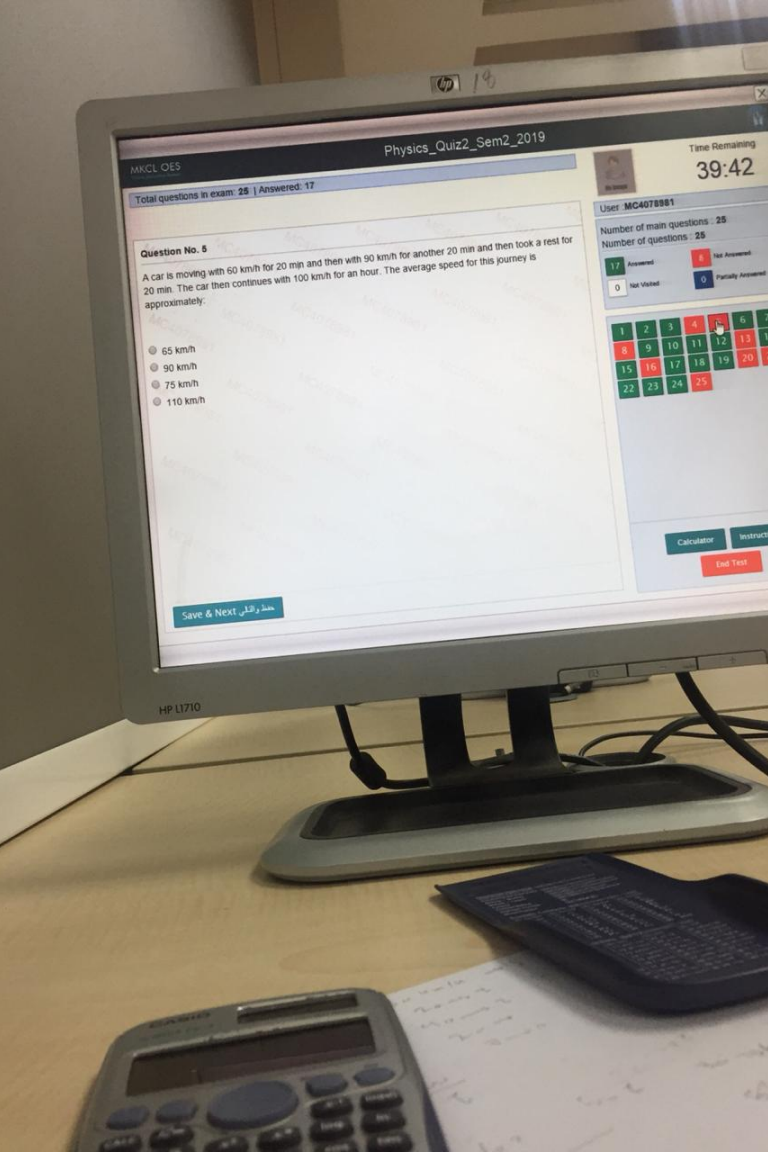
Question No. 4
How many kilocalories of heat must be added to 10 kg Tungsten to raise its temperature by 70 Fahrenheit?
(The specific heat of Tungsten is $c = 0.134\ J/g.^{\circ}C$ and $\Delta T_F = 1.8\Delta T_C$)
12.4 kcal
1.24 kcal
0.124 kcal
124 kcal
Number of main questions : 25
Number of questions : 25
17 Answered
1 Not Answered
0 Not Visited
7 Partially Answered
Calculator
Instructions
End Test
Save & Next
HP 0710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User: MC4078981
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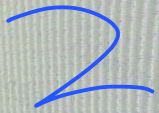
Question No. 5
A car is moving with 60 km/h for 20 min and then with 90 km/h for another 20 min and then took a rest for 20 min. The car then continues with 100 km/h for an hour. The average speed for this journey is approximately:
65 km/h
90 km/h
75 km/h
110 km/h
Save & Next
Calculator
End Test
HP L1710

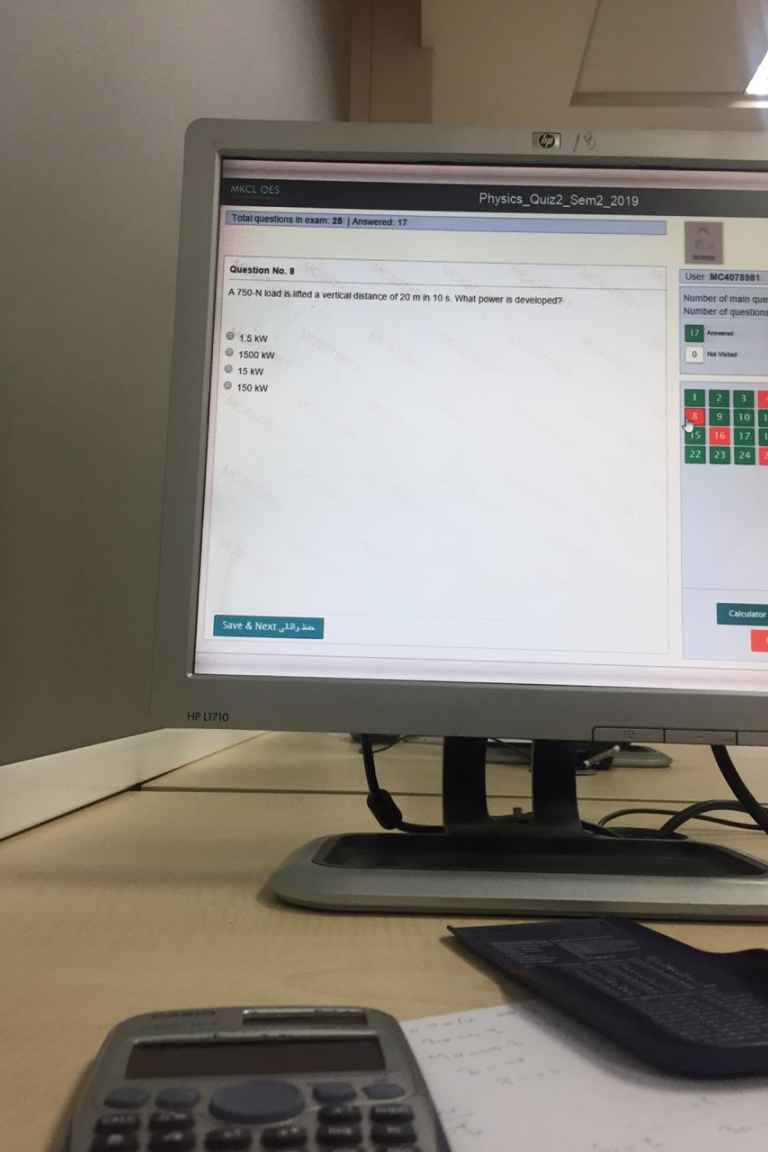
Total questions in exam: **25** | Answered: **8**

Question No. 23

Which of the following do not help reducing (بطل) kinetic friction:

- using Teflon
- using heavy weights
- using smoother surfaces
- using lubrication (तरीबत)

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1500 kW
15 kW
150 kW
Save & Next حفظ والتالي
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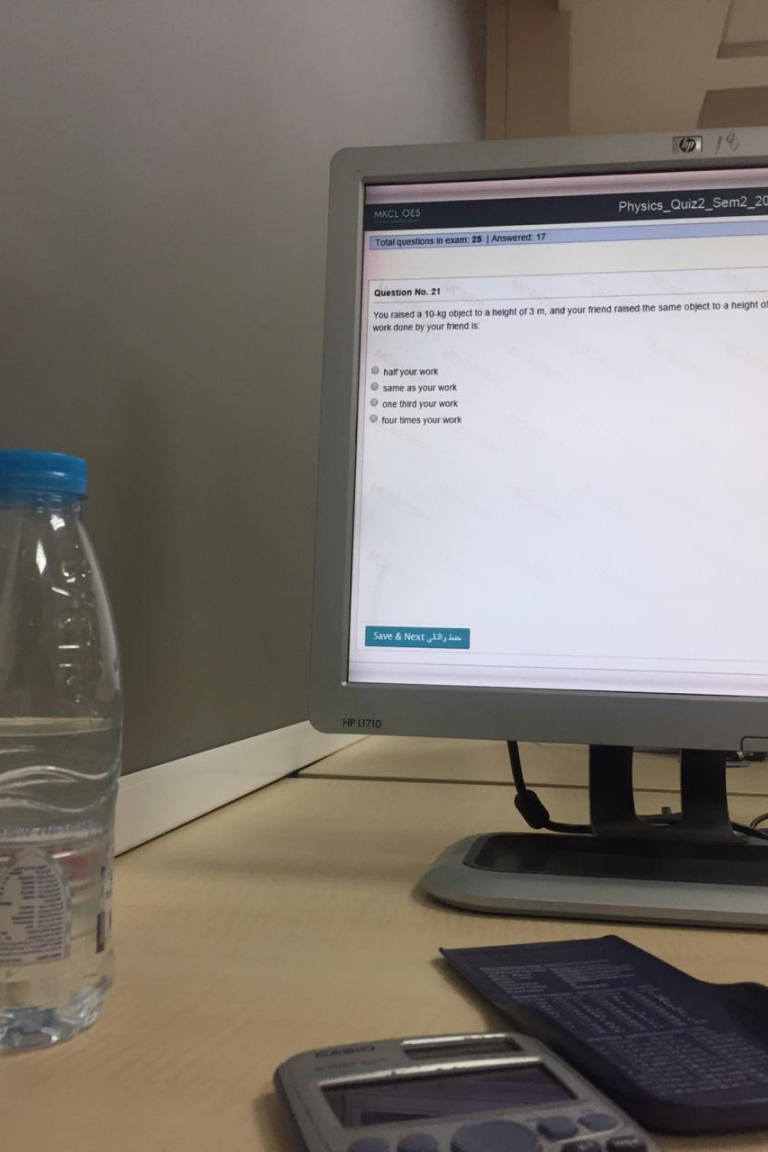
8 9 10
15 16 17
22 23 24
Calculator
HP L1710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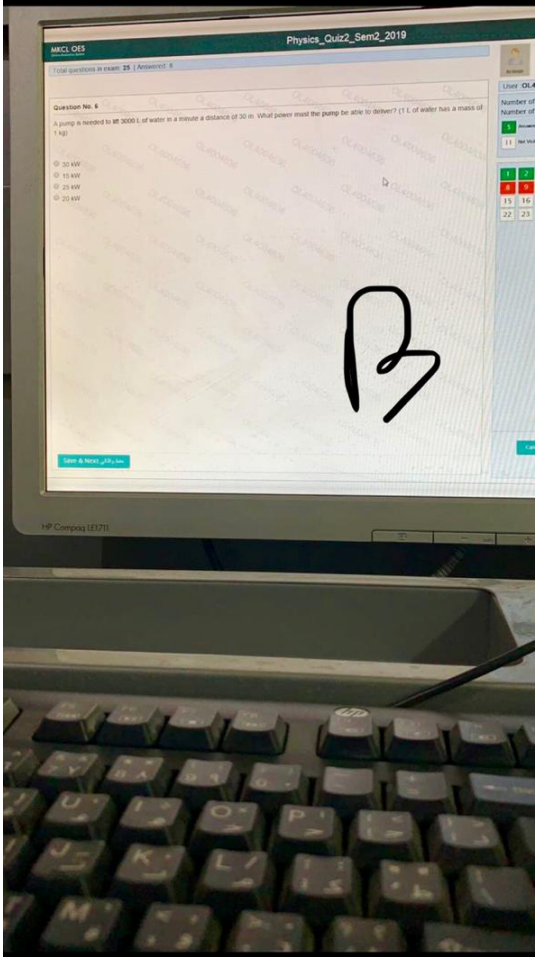
Physics_Quiz2_Sem2_20
Total questions in exam: 25 | Answered: 17
Question No. 21
You raised a 10-kg object to a height of 3 m, and your friend raised the same object to a height of
work done by your friend is:
half your work
same as your work
one third your work
four times your work
Save & Next
HP LI710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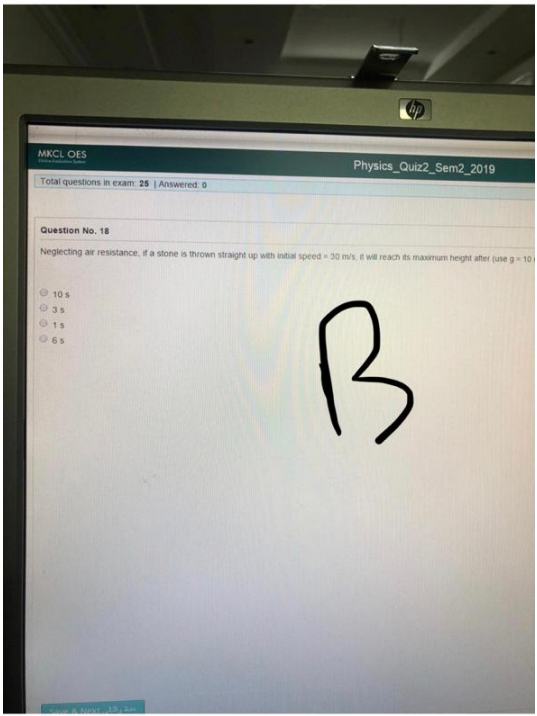
Physics_Quiz2_Sem2_2019
Total questions in exam: 25 | Answered: 5
Question No. 6
A pump is needed to lift 3000 L of water in a minute a distance of 30 m. What power must the pump be able to deliver? (1 L of water has a mass of 1 kg)
30 kW
15 kW
25 kW
20 kW
B
Save & Next
HP Compaq LE1711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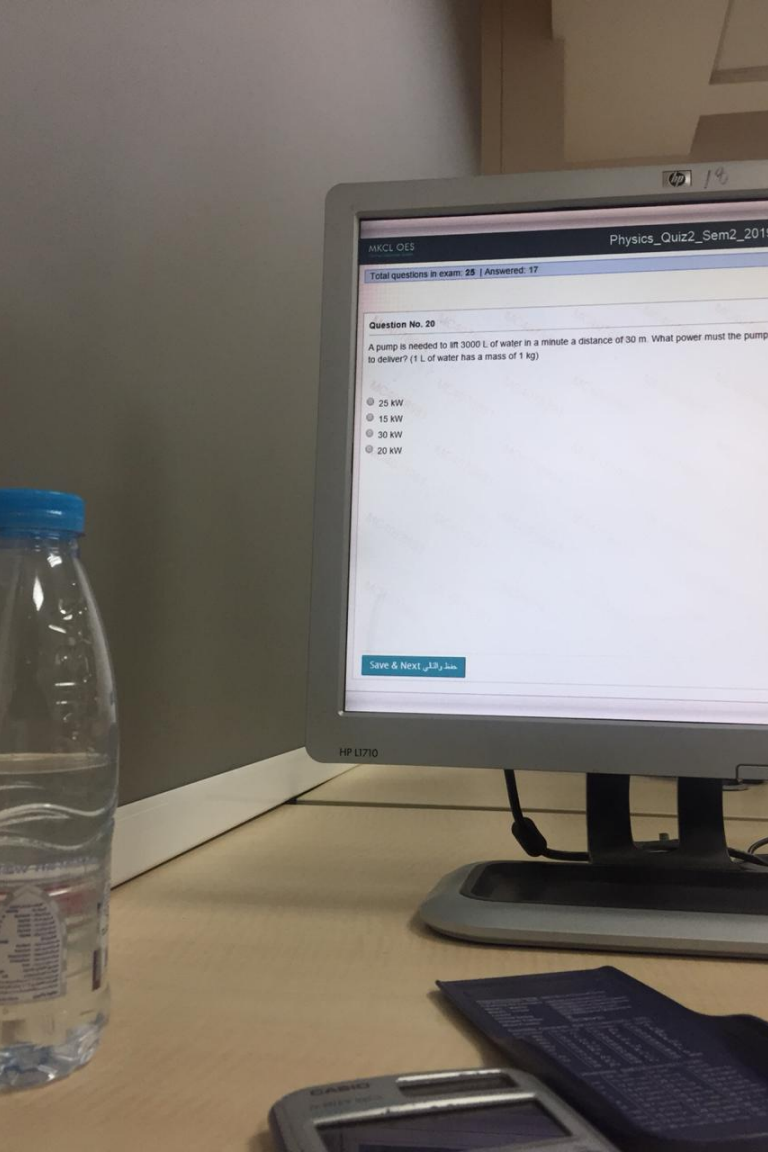
Physics_Quiz2_Sem2_2019
Total questions in exam: 25 | Answered: 0
Question No. 18
Neglecting air resistance, if a stone is thrown straight up with initial speed = 30 m/s, it will reach its maximum height after (use g = 10
10 s
3 s
1 s
6 s
B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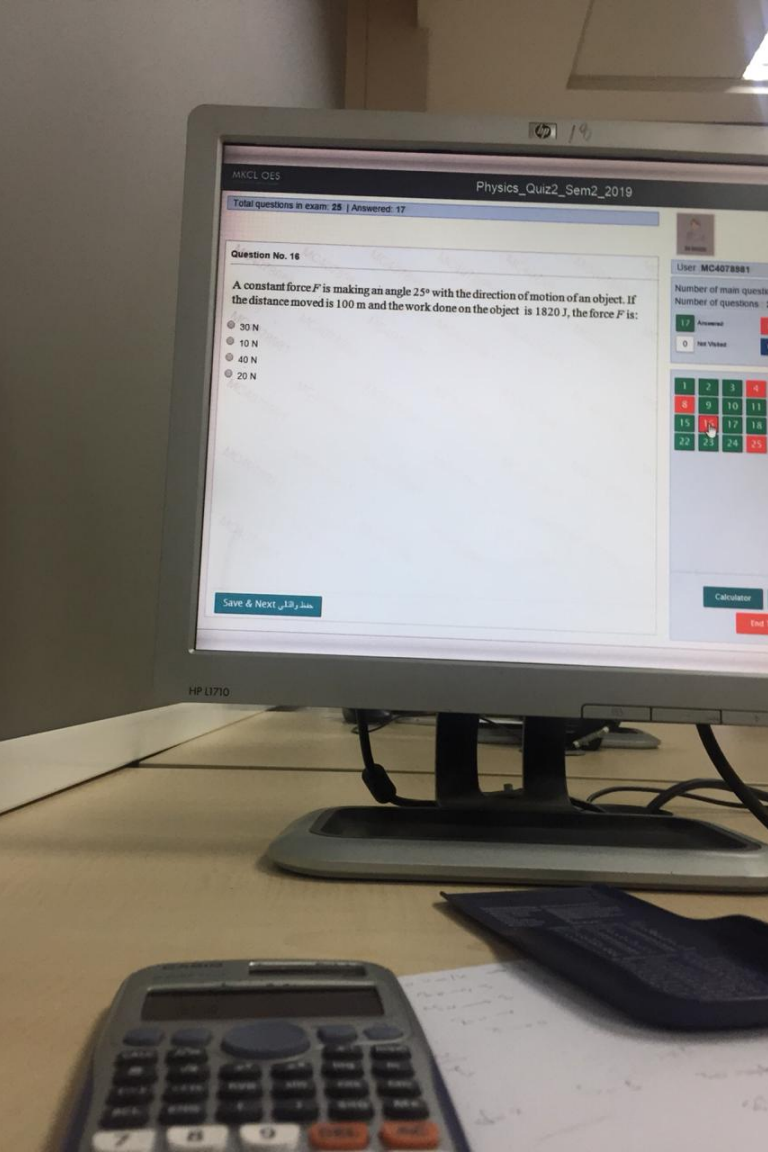
Physics_Quiz2_Sem2_201
Total questions in exam: 25 | Answered: 17
Question No. 20
A pump is needed to lift 3000 L of water in a minute a distance of 30 m. What power must the pump
to deliver? (1 L of water has a mass of 1 kg)
25 kW
15 kW
30 kW
20 kW
Save & Next
HP L1710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Total questions in exam: 25 | Answered: 17
Question No. 16
A constant force F is making an angle 25° with the direction of motion of an object. If the distance moved is 100 m and the work done on the object is 1820 J, the force F is:
30 N
10 N
40 N
20 N
Save & Next
Calculator
HP L1710

Total questions in exam: 25 | Answered: 0

Question No. 4

If the speed of an object increases five times, its kinetic energy increases:

- 2.5 times
- 25 times
- 5 times
- 10 times

$E_K = 25$

Save & Next

MKCL OES
Online Evaluation System

Physics_Quiz2_Se

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

Question No. 3

In the Fahrenheit temperature scale, water freezes at:

- 32 °F
- 0 °F
- 212 °F
- 273 °F

Save & Next حفظ والتالي

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

Question No. 6

Temperature is a measure of the _____ an object:

- volume of
- area of
- hotness or coldness of
- color of

C

Save & Next حفظ والتالي

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Physics_Quiz2_Sem2_2

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

Question No. 7

The height a 20-kW motor can lift a 1000-kg mass to in 10 seconds is

- 40 m
- 20 m
- 10 m
- 30 m

$p=w/t$

$20000=1000*10*d/10$

$d=20$

Save & Next حفظ والتالي

uestion No. 10

A 10-kg of a substance absorbs 173 kcal of heat and its temperature rises from zero to 150 °C. What is ne specific heat c of this substance?

c = 0.715 kcal/kg.°C

c = 0.315 kcal/kg.°C

c = 0.115 kcal/kg.°C

c = 0.515 kcal/kg.°C

C=Q/mT

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Physics_Quiz2_Sem

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

Question No. 8

How many kilocalories of heat must be added to 10 kg Tungsten to raise its temperature by 230 Fahrenheit?

(*The specific heat of Tungsten is* $c = 0.134\ J/g.^{o}C$ *and* $\Delta T_F = 1.8\Delta T_C$.)

- 4.09 kcal
- 409 kcal
- 0.409 kcal
- 40.9 kcal

Q=C*M*T

نحول درجه الحراره الي
سليسوس وبعدين نعوض

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Physics_Quiz2_Sem2_2019

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

Question No. 9

You applied a horizontal force of 200 N to push a level table but the table remained at rest. The static friction force is:

- 20 kg
- 20 N
- 200 N
- 200 kg

طاوله دفعناها بقوه مقدارها 200
ولم تتحرك فان قوه الاحتكاك
تساوي 200

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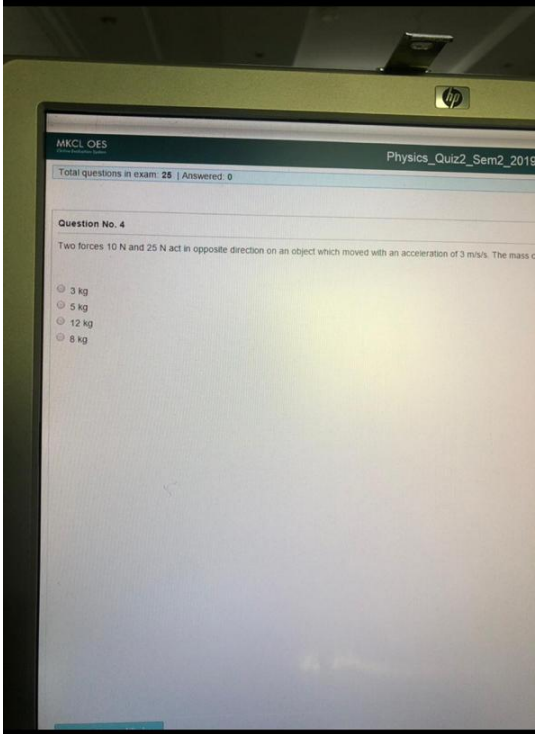
MKCL OES
Physics_Quiz2_Sem2_2019
Total questions in exam: 25 | Answered: 0
Question No. 4
Two forces 10 N and 25 N act in opposite direction on an object which moved with an acceleration of 3 m/s/s. The mass o
3 kg
5 kg
12 kg
8 kg

Total questions in exam: 25 | Answered: 1

Question No. 6

Gravitational potential energy of an object is due to its:

- velocity
- position
- acceleration
- temperature

B

Question No. 15

Temperature scales that give the same temperature difference ΔT are the:

- Kelvin and Celsius
- Celsius and Fahrenheit
- Fahrenheit and Kelvin
- Celsius and Joule

Question No. 14

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

Question No. 14

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

- vibrate faster
- stop moving
- vibrate slower
- increase in number

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Physics_Quiz2_S

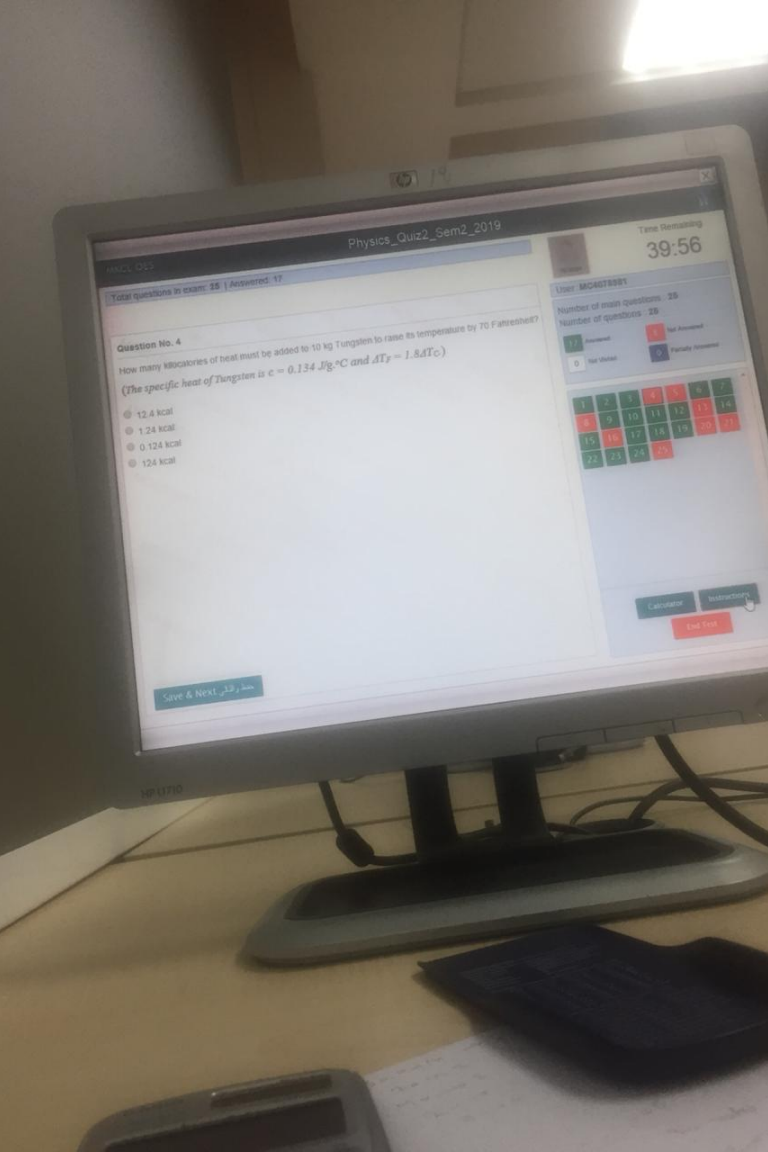
Total questions in exam: 25 | Answered: 0

Question No. 4

If the speed of an object increases five times, its kinetic energy increases:

- 2.5 times
- 25 times
- 5 times
- 10 times

Save & Next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(The specific heat of Tungsten is $c = 0.134\ J/g.^{\circ}C$ and $\Delta T_F = 1.8\Delta T_C$)
12.4 kcal
1.24 kcal
0.124 kcal
124 kcal
Number of main questions : 25
Number of questions : 25
17 Answered
1 Not Answered
0 Not Visited
7 Partially Answered
Calculator
Instructions
End Test
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HP 0710

Question No. 20

A rock falls from an edge of a mountain 45 m above the ground. Find its speed as it hits the ground? (use $g = 10\ m/s^2$)

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

Save & Next حفظ والتالي

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

Question No. 23

Which of the following do not help reducing (بطل) kinetic friction:

- using Teflon
- using heavy weights
- using smoother surfaces
- using lubrication (تزييت)

estion No. 24

stone drops in a free fall from the edge of a mountain, how long does it take to fall 125 m: (use g = 10 m/s/s):

10 s
5 s
15 s
25 s

Save & Next حفظ والتالي

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

Question No. 21

A force of 1 N is the same as:

- 1 kg m s
- 1 kg m/s/s
- 1 kg m/s
- 1 kg s/m

2

Save & Next حفظ والتالي

uestion No. 13

he power needed to speed up a 1000-kg car from zero km/h to 90 km/h in 10 seconds is:

- 45.5 kW
- 41.5 kW
- 31.25 kW
- 21.5 kW

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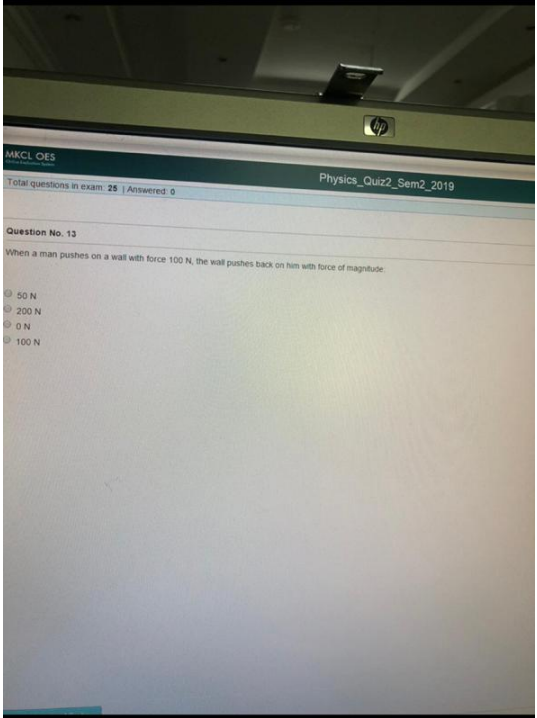
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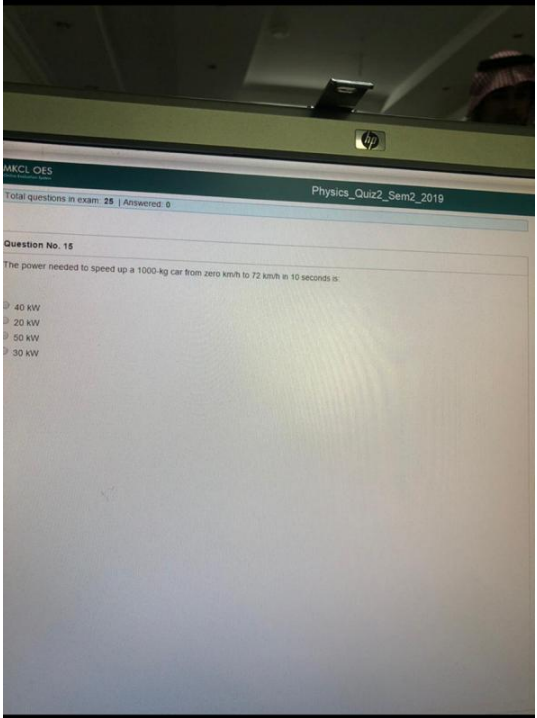
Physics_Quiz2_Sem2_2019
Total questions in exam: 25 | Answered: 0
Question No. 13
When a man pushes on a wall with force 100 N, the wall pushes back on him with force of magnitude:
50 N
200 N
0 N
100 N


MKCL OES
Physics_Quiz2_Sem2_2019
Total questions in exam: 25 | Answered: 0
Question No. 15
The power needed to speed up a 1000-kg car from zero km/h to 72 km/h in 10 seconds is:
40 kW
20 kW
50 kW
30 kW

Question No. 18

A car is moving with 85 km/h for an hour and then took a rest for 30 min. The car then continues with 50 km/h for 30 min. The average s
journey is approximately:

- 85 km/h
- 65 km/h
- 75 km/h
- 55 km/h

Save & Next حفظ والتالي

Total questions in exam: 25 | Answered: 13

Question No. 15

How long would it take a 5-kW motor to raise a 500-kg mass to a platform 4 m above the floor?

- 4 s
- 3 s
- 2 s
- 1 s

Question No. 16

If you did a work of 210 J to place a 7-kg box on the top of a shelf, the height of this shelf is:

- 4 m
- 3 m
- 2 m
- 1 m

Save & Next حفظ و التالي

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Physics_Quiz2_Sem2_2019

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

Question No. 23

A car in linear motion has initial speed = 72 km/h. If it travels for 15 seconds with acceleration = 2 m/s/s, the total distance it covers is:

- 225 m
- 800 m
- 100 m
- 525 m

Save & Next

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Online Evaluation System

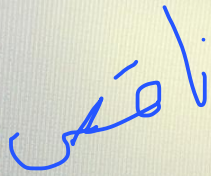
Physics_Quiz2_Sem2_

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

Question No. 1

A car is moving with 72 km/h for 40 min and then took a rest for 20 min. The car then continues with 120 km/h for tw
this journey is approximately:

- 96 km/h
- 100 km/h
- 110 km/h
- 75 km/h



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Physics_Quiz2_Sem2_

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this journey is approximately:

- 96 km/h
- 100 km/h
- 110 km/h
- 75 km/h

Save & Next जतन व पुढील

Total questions in exam: **25** | Answered: **4**

Question No. 15

The law of action and reaction is Newton's:

- Inertia law
- Second law
- Third law
- First law

Save & Next

Total questions in exam: **25** | Answered: **4**

Question No. 15

The law of action and reaction is Newton's:

- Inertia law
- Second law
- Third law
- First law

Save & Next

Total questions in exam: 25 | Answered: 5

Question No. 8

Energy is defined as the:

- speed x time
- mass x speed
- mass x acceleration
- ability to do work

KCL OES

Physics_Quiz2_

otal questions in exam: 25 | Answered: 4

Question No. 18

f an object is falling with an acceleration that is less than the acceleration due to gravity, the object:

- must have big inertia.
- must have a small mass.
- is non-freely falling.
- is freely falling.

Save & Next

Question No. 6

Which of the following temperatures is NOT possible?

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

Total questions in exam: 25 | Answered: 7

Question No. 9

According to Newton's second law (F=ma), if F is kept constant, then:

- F = a/m
- a = m
- m is directly proportional to the acceleration a
- m is inversely proportional to the acceleration a

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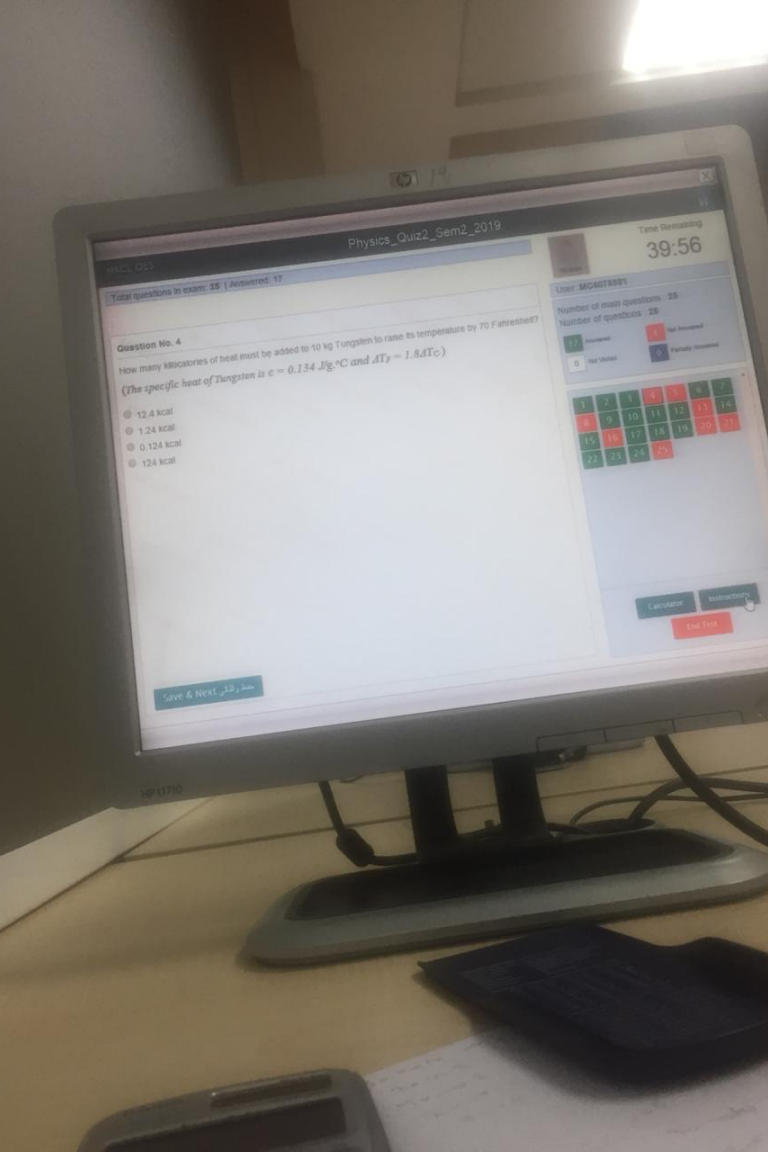
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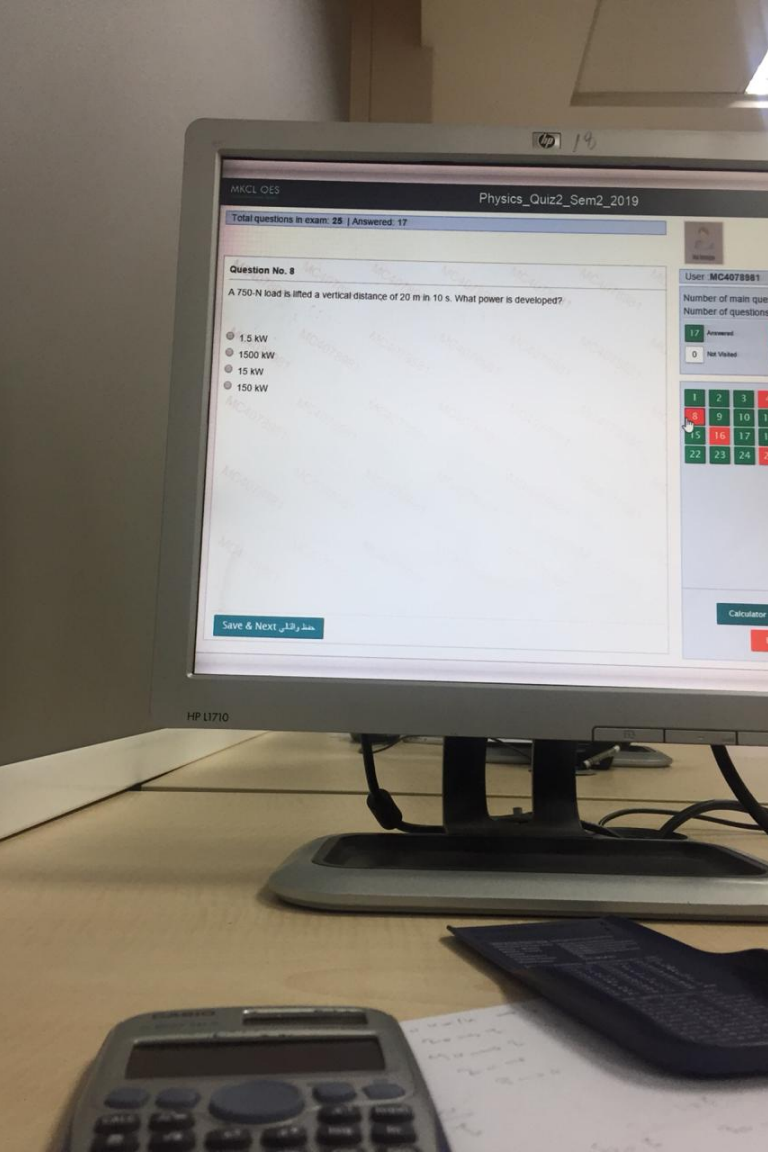
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1500 kW
15 kW
150 kW
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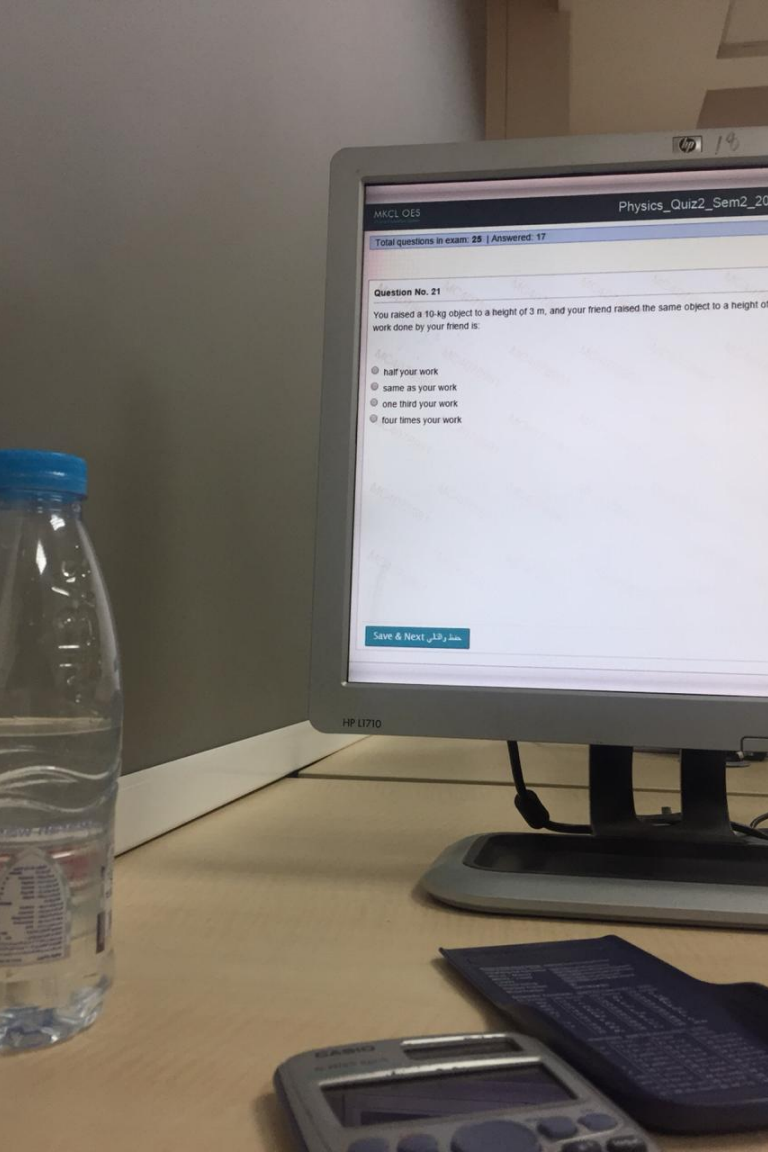
Calculator
HP L1710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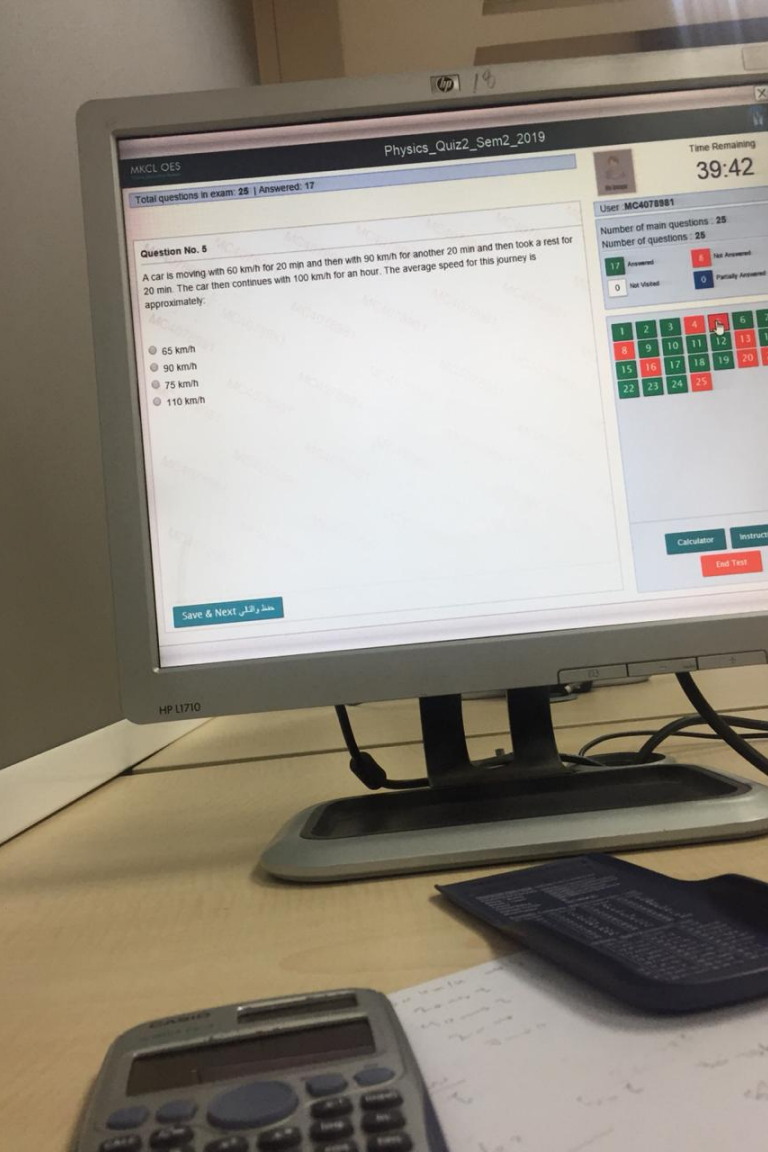
one third your work
four times your work
Save & Next
HP LI710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User: MC4078981
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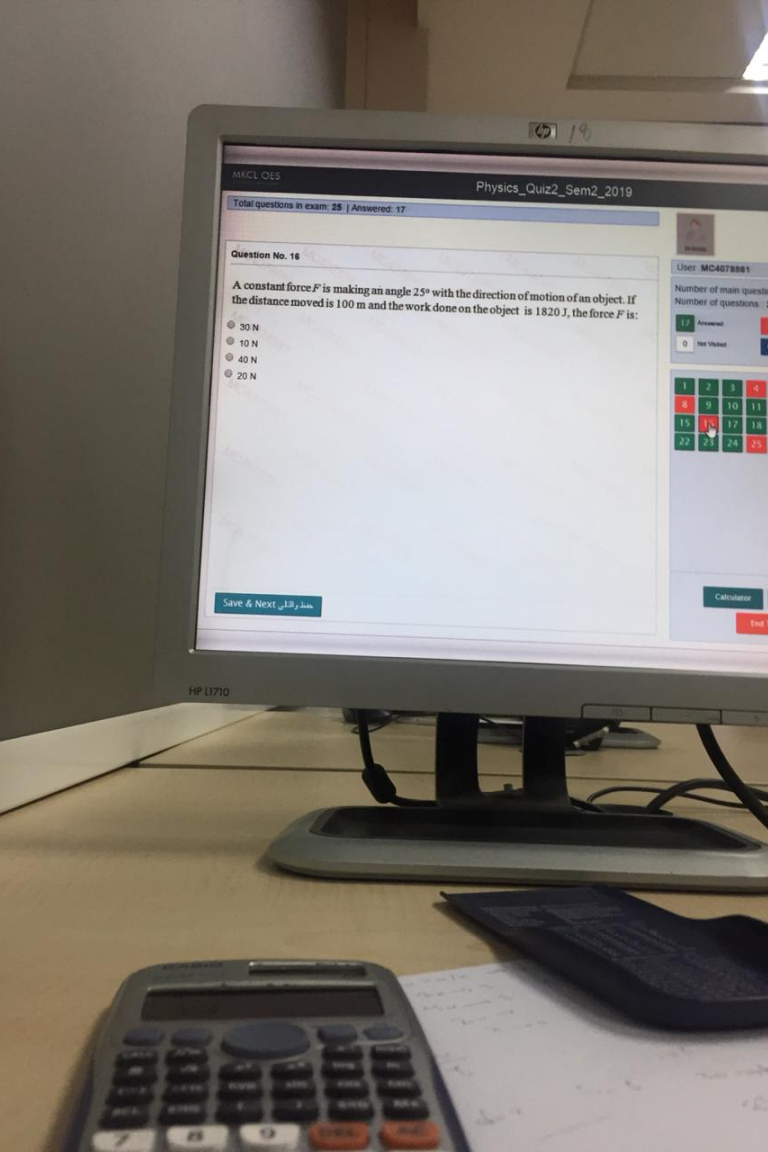
65 km/h
90 km/h
75 km/h
110 km/h
Save & Next
Calculator
End Test
HP L1710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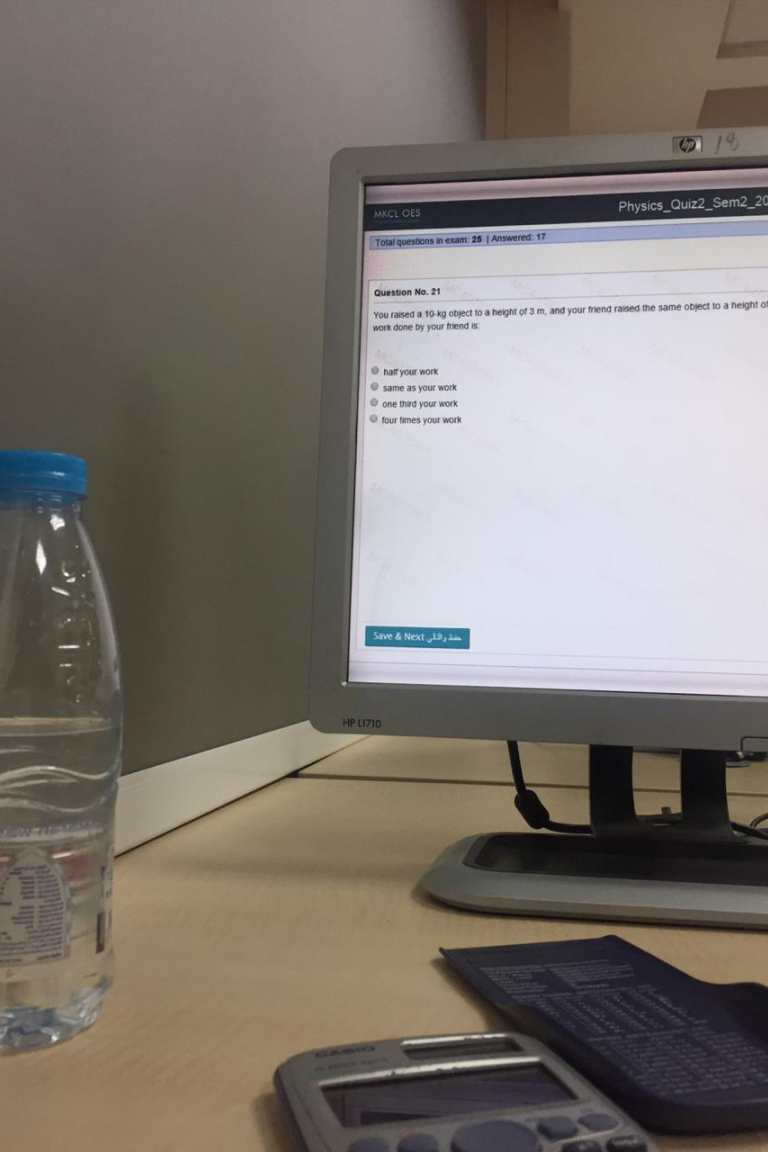
Total questions in exam: 25 | Answered: 17
Question No. 16
A constant force F is making an angle 25° with the direction of motion of an object. If the distance moved is 100 m and the work done on the object is 1820 J, the force F is:
30 N
10 N
40 N
20 N
Save & Next
Calculator
HP L1710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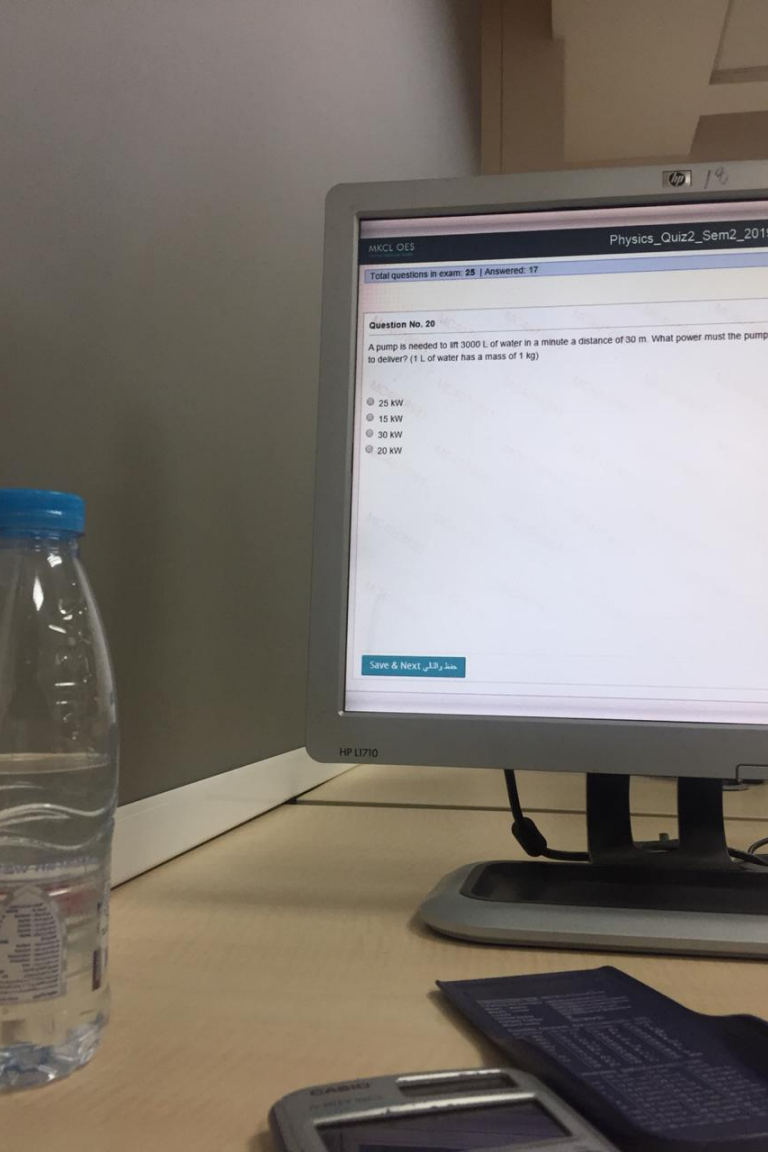
same as your work
one third your work
four times your work
Save & Next
HP LI710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Physics_Quiz2_Sem2_201
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Question No. 20
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25 kW
15 kW
30 kW
20 kW
Save & Next
HP L1710

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

Question No. 10

How long would it take a 1500-W motor to raise a 100-kg mass to a height of 15 m?

- 40 s
- 30 s
- 20 s
- 10 s

A

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Physics_Quiz2_Sem2_2019

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

Question No. 11

A painter weighting 630 N climbs to a height of 5 m on a ladder. What is the increase in gravitational potential energy of the painter?

- 3.15 J
- 3.15 kJ
- 31.5 kJ
- 31.5 J

Save & Next حفظ والتالي

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

Question No. 10

How long would it take a 1500-W motor to raise a 100-kg mass to a height of 15 m?

- 40 s
- 30 s
- 20 s
- 10 s

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Physic

Total questions in exam: **25** | Answered: **18**

Question No. 5

The unit of the coefficient of friction is:

- m/s/s
- newton
- newton/kg
- has no units

Question No. 11

A painter weighting 630 N climbs to a height of 5 m on a ladder. What is the increase in gravitational potential energy of the painter?

- 3.15 J
- 3.15 kJ
- 31.5 kJ
- 31.5 J

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

Question No. 10

How long would it take a 1500-W motor to raise a 100-kg mass to a height of 15 m?

- 40 s
- 30 s
- 20 s
- 10 s

uestion No. 13

he power needed to speed up a 1000-kg car from zero km/h to 90 km/h in 10 seconds is:

- 45.5 kW
- 41.5 kW
- 31.25 kW
- 21.5 kW

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

Question No. 21

A force of 1 N is the same as:

- 1 kg m s
- 1 kg m/s/s
- 1 kg m/s
- 1 kg s/m

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