لا تيأسن
لباب سد في
طلبٍ
فالله يفتح
بعد الباب
أبوابَ

دعواتكم
ود، وفاء، نواف،
مريم احمد، ريفان،أروى، ريم
أحمد الجعفري

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

Save & Next

MKCL OES
Online Evaluation System

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

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)

A⁻

○ 33 cm
○ 7 cm
○ 13 cm
○ 3 cm

Save & Next

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

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:

A⁻   A   A⁺

- 45 ohms
- 60 ohms
- 40 ohms
- 55 ohms

Save & Next

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

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

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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User: QL410533

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

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

MKCL OES
Online Evaluation System

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

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

A⁺ A A⁺

○ 6 µC
○ 3 µC
○ 9 µC
○ 1 µC

User: OL4...

Number of
Number of q

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

Save & Next

Calculate
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HP Compaq LE171I

MKCL OES

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

A⁻   A   A⁺

User :OL410

Save & Next

Total questions in exam 40 | Answered 16

Physics_FT_Sem1_2019

Question No. 37

In the Celsius temperature scale, water freezes at:

- 32 °C
- 8 °C
- 0 °C
- 6 °C

A⁻ A A⁺

User DL4105328

Number of main questions 40
Number of questions 40

Save & Next

Calculator   Instructions

Notepad   End Test

Question No. 34

Three identical lamps, each of resistance 4 Ω, are connected in series to a 6-V battery. Their equivalent resistance is:

| A⁻ | A | A⁺ |

User : OL4105328

- 24 Ω
- 6 Ω
- 12 Ω
- 4 Ω

Number of main questi
Number of questions

| 15 | 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 | Instruction |
| Notepad | End Test |

HP Compaq LE1711

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:

A   A   A*

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

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61:

User: GL4105338

Number of main questions: 40
Number of questions: 40

| 15 | Answered | 21 | Not Answered |
| 0 | Not Visited | 0 | Partially Ans |

1	2	3	4	5	6
8	9	10	11	12	13
15	16	17	18	19	20
22	23	24	25	26	27
29	30	31	32	33	34
36	37	38	39		

Save & Next

Calculator   Instructions

Notepad   End Test

HP Compaq LE1711

Total questions in exam: 40 | Answered: 15

Physics_FT_Sem1_2019

Question No. 20

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

User :OL410523

Number of main q
Number of questio

15 Answered

0 Not Visited

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

Save & Next

Calculator

Notepad

HP Compaq LE1711

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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

User : OL41053

Number of main
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

Calculator
Notepad

HP Compaq LE171

Total questions in exam: 40 | Answered: 18

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

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Total questions in exam: 40 | Answered: 15

Physics_FT_Sem1_2019

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

User :OL4105338

Number of main q
Number of question

15 Answered

0 Not Visited

1	2	3	4
8	9	10	1
15	16	17	1
22	23	24	2
29	30	31	32
36	37	38	39

Save & Next

Calculator

Notepad

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HP Compaq LE1711

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

Physics_FT_Sem1_2019

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:

A A A*

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

User OL4105338

Number of main que
Number of question

15 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 Compaq LE171I

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

Total questions in exam: 40 | Answered: 15

User :OL4105338

Question No. 24

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

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

Number of main quest
Number of questions :

| 15 | 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

HP Compaq LE171l

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

User :OL410532

Number of main q
Number of questic

15 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

Nonpad

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MKCL OE5

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:

A⁻ A A⁺

○ -20 cm
○ -5 cm
○ -10 cm
○ -15 cm

User OL41

Number of
Number of q

15 Answered

0 Not Visited

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

Save & Next

Calculator

Keypad

HP Compaq LE1711

Question No. 27

5 kg of a liquid absorbs an amount of heat Q= 116 kcal, raising its temperature by $\Delta T = 40°C$. The specific heat c of this liquid is

- c = 8 kcal/kg °C
- c = 5.8 kcal/kg °C
- c = 2 kcal/kg °C
- c = 0.58 kcal/kg °C

Save & Next

MKCL OES

Total questions in exam: 40 | Answered: 16

Question No. 26

The unit of radiation absorbed dose is:

- Watt
- Joule
- Rad
- Newton

Save & Next