



BC200417798: AMISH RAZA

Time Left 33  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 09:03 PM, 07 January 2022

Question # 7 of 10 ( start time: 09:12:14 PM, 07 January 2022 )

Total Marks: 1

A source of frequency of 500 Hz emits waves of wavelength 0.4 m, how long does the wave take to travel 600 m?

▶ Select the correct option

|                       |      |
|-----------------------|------|
| <input type="radio"/> | 3 s  |
| <input type="radio"/> | 9 s  |
| <input type="radio"/> | 6 s  |
| <input type="radio"/> | 12 s |

Click to Save Answer &amp; Move to Next Question

BC210402576: SYED FARHAN ALI ZAIDI

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Question # 3 of 10 (Start time: 09:07:56 PM, 07 January 2022)

Before the density of an object can be found, what two measurements are required?

Select the correct option

- |                       |                        |
|-----------------------|------------------------|
| <input type="radio"/> | mass and volume        |
| <input type="radio"/> | mass and length        |
| <input type="radio"/> | temperature and volume |
| <input type="radio"/> | volume and length      |



BC200417798: AMISH RAZA

Time Left 71  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 09:03 PM, 07 January 2022

Question # 2 of 10 ( Start time: 09:05:41 PM, 07 January 2022 )

Total Marks: 1

A particle, held by a string whose other end is attached to a fixed point C, moves in a circle on a horizontal frictionless surface. If the string is cut, the angular momentum of the particle about the point C:

Select the correct option

|                       |                                     |
|-----------------------|-------------------------------------|
| <input type="radio"/> | Changes direction but not magnitude |
| <input type="radio"/> | Does not change                     |
| <input type="radio"/> | Increases                           |
| <input type="radio"/> | Decreases                           |

[Click to Save Answer & Move to Next Question](#)



## Quiz

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BC200417798: AMISH RAZA

PHY101 – Physics (2nd online quiz of Physics (PHY101))

Question # 1 of 10 ( Start time: 09:03:55 PM, 07 January 2022 )

Object stays in its new position if displaced slightly in:

Select the correct option

|                       |                           |
|-----------------------|---------------------------|
| <input type="radio"/> | Translational equilibrium |
| <input type="radio"/> | Stable equilibrium        |
| <input type="radio"/> | Neutral equilibrium       |
| <input type="radio"/> | Unstable equilibrium      |





## Quiz

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BC200417798: AMISH RAZA

PHY101 – Physics (2nd online quiz of Physics (PHY101))

Question # 1 of 10 ( Start time: 09:03:55 PM, 07 January 2022 )

Object stays in its new position if displaced slightly in:

Select the correct option

|                       |                           |
|-----------------------|---------------------------|
| <input type="radio"/> | Translational equilibrium |
| <input type="radio"/> | Stable equilibrium        |
| <input type="radio"/> | Neutral equilibrium       |
| <input type="radio"/> | Unstable equilibrium      |

BC210423793: ABDULLAH

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Question # 10 of 10 (Start time: 09:01:53 PM, 07 January 2022)

The frequency which is not audible to the human ear is

Select the correct option

☐ 5000 Hz

☐ 500 Hz

☐ 50000 Hz

☐ 50 Hz



## PHY101 – Physics (2nd online quiz of Physics (PHY101))

Total Questions :10

**Please read the following instructions carefully!**

1. Quiz will be based upon Multiple Choice Questions (MCQs).
2. You have to attempt the quiz online. You can start attempting the quiz any time within given date(s) of a particular subject by clicking the link for Quiz in VULMS.
3. Each question has a fixed time of 90 seconds. So you have to save your answer before 90 seconds. But due to unstable internet speeds, it is recommended that you should save your answer within 60 seconds. While attempting a question, keep an eye on the remaining time.
4. Attempting quiz is unidirectional. Once you move forward to the next question, you can not go back to the previous one. Therefore before moving to the next question, make sure that you have selected the best option.
5. **DO NOT** press **Back Button / Backspace Button** while attempting a question, otherwise you will lose that question.
6. **DO NOT** refresh the page unnecessarily, **specially** when following messages appear
  - Saving...
  - Question Timeout: Now loading next question...
7. **Javascript MUST be enabled** in your browser, otherwise you will not be able to attempt the quiz.
8. If for any reason, you lose access to internet (like power failure or disconnection of internet), you will be able to attempt the quiz again from the question next to the last shown question. But remember that you have to complete the quiz before expiry of the deadline.
9. If any student failed to attempt the quiz in given time then no re-take or offline quiz will be held.

**Important Announcement**

1. It has come to the University's knowledge that some students are using unfair means while attempting their Mid-Term quiz.
2. The University is monitoring & analyzing the quiz attempts and if a student is found involved in using unfair means, i.e., helping tools/software, Web Extension, Add-ons etc., an Unfair Means Case (UMC) will be made against such student(s) including cancellation of their Mid-Term quiz.

[Start Quiz](#)

Quiz



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**Question # 10 of 10 ( Start time: 08:54:33 PM, 07 January 2022 )**

Work may be done by \_\_\_\_\_.

**Select the correct option**

☐

only living organisms

☐

only non-living objects

☐

only vehicles

☐

both living organisms and non-living objects



Type here to search







Quiz

the dimension of joule is - G



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Question # 9 of 10 ( Start time: 08:53:15 PM, 07 January 2022 )

Swimming becomes possible because of:

Select the correct option



Third law of motion



Law of torque



Second law of motion



First law of motion



Type here to search



BC210423793: ABDULLAH

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 08:51 PM, 07 January 2022

Question # 2 of 10 (Start time: 08:52:39 PM, 07 January 2022)

Total Marks: 1

A force of 120 N is exerted on a 40 kg container which sits on a floor. If the frictional force between floor and container is 80 N, what is the magnitude of the acceleration of the container?

Select the correct option

- |                       |                    |
|-----------------------|--------------------|
| <input type="radio"/> | 5 $\text{ms}^{-2}$ |
| <input type="radio"/> | 3 $\text{ms}^{-2}$ |
| <input type="radio"/> | 2 $\text{ms}^{-2}$ |
| <input type="radio"/> | 1 $\text{ms}^{-2}$ |

Click to Save Answer & Move to Next Question

Quiz

the approximate value of  $g$  is

the dimension of joule is -  $G$

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Question # 8 of 10 (Start time: 08:51:40 PM, 07 January 2022)

If a body whose mass is much less than a body at rest collide with it elastically, then it bounces back with:

Select the correct option

☐

Same velocity

☐

Double velocity

☐

None of these

☐

Half of the velocity

Type here to search





Quiz

the approximate value of  $g$  is

strain is a dimensionless quantity



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Question # 7 of 10 (Start time: 08:50:43 PM, 07 January 2022)

The dimension of Joule is:

Select the correct option



$[M L^2 T^{-1}]$



$[M L^2 T^{-2}]$



$[M L T^{-2}]$



$[M L^2 T^{-3}]$



Type here to search



Quiz

the approximate value of  $g$  is

a flywheel is attached to an



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BC210416274 SYED ALI TURAB NAQVI

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Question # 6 of 10 (Start time: 08:49:03 PM, 07 January 2022)

Which of the quantity is dimensionless?

Select the correct option

- |                       |                       |
|-----------------------|-----------------------|
| <input type="radio"/> | Strain                |
| <input type="radio"/> | Entropy               |
| <input type="radio"/> | Modulus of elasticity |
| <input type="radio"/> | Stress                |



Type here to search



Question # 5 of 10 ( Start time: 08:47:46 PM, 07 January 2022 )

If the distance between all pairs of particles of the body do not change by applying a force then the body is said to be

Select the correct option

☐

large

☐

small

☐

flexible

☐

rigid

Type here to search

**Question # 4 of 10 ( Start time: 08:48:10 PM, 07 January 2022 )**

A flywheel is attached to an engine to -----

Select the correct option

- ☐ Help in overcoming the dead point
- ☐ Decrease its speed
- ☐ Increase its speed
- ☐ Decrease its energy





Quiz

the approximate value of g at

Google

vu.edu.pk

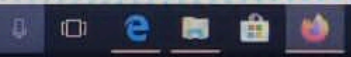
Question # 3 of 10 (Start time: 08:44:58 PM, 07 January 2022)

According to the equation of work, when a boy sits in one place and studies for the whole night, he does

Select the correct option

- ☐ too much work
- ☐ lot of work
- ☐ very little work
- ☐ no work

Type here to search





Question # 1 of 10 ( **Start time: 08:44:36 PM, 07 January 2022** )

A water bed that is 1.5 m wide and 2.5 m long weighs 1055 N. Assuming th

Select the correct option

☐

250 Pa

☐

270 Pa

☐

260 Pa

☐

280 Pa



Type here to search



Quiz

Google

Google



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Question # 2 of 10 ( Start time: 08:43:28 PM, 07 January 2022 )

The approximate value of  $g$  at an altitude above Earth equal to one Earth diameter is:

Select the correct option

- |                       |                     |
|-----------------------|---------------------|
| <input type="radio"/> | 4.9m/s <sup>2</sup> |
| <input type="radio"/> | 2.5m/s <sup>2</sup> |
| <input type="radio"/> | 1.1m/s <sup>2</sup> |
| <input type="radio"/> | 1.9m/s <sup>2</sup> |



Type here to search



SHIFT

Quiz

Google

Google



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Question # 1 of 10 ( Start time: 08:42:18 PM, 07 January 2022 )

A ----- vector is obtained by dividing the vector by its magnitude:

Select the correct option

☐

negative

☐

position

☐

normal

☐

unit

Type here to search





BC200415058: ARZOO QAMAR

Time Left 88 sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 08:28 PM, 07 January 2022

Question # 10 of 10 (start time: 08:35:55 PM, 07 January 2022)

Total Marks: 1

A force of 120 N is exerted on a 40 kg container which sits on a floor. If the frictional force between floor and container is 80 N, what is the magnitude of the acceleration of the container?

Select the correct option

- ☐ 2 ms<sup>-2</sup>
- ☐ 5 ms<sup>-2</sup>
- ☐ 3 ms<sup>-2</sup>
- ☐ 1 ms<sup>-2</sup>

Click to Save Answer &amp; Move to Next Question





BC200415058: ARZOO QAMAR

Time Left

88

sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 08:28 PM, 07 January 2022

Question # 10 of 10 (start time: 08:35:55 PM, 07 January 2022)

Total Marks: 1

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Select the correct option

- ☐ 2 ms<sup>-2</sup>
- ☐ 5 ms<sup>-2</sup>
- ☐ 3 ms<sup>-2</sup>
- ☐ 1 ms<sup>-2</sup>

[Click to Save Answer & Move to Next Question](#)



BC200415058: ARZOO QAMAR

Time Left 86 sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 08:28 PM, 07 January 2022

Question # 9 of 10 ( Start time: 08:35:15 PM, 07 January 2022 )

Total Marks: 1

When a particle moving along a circular path, its projection along the diameter executes:

Select the correct option

Reload Math Equations

- |                                  |                        |
|----------------------------------|------------------------|
| <input type="radio"/>            | Simple harmonic motion |
| <input type="radio"/>            | Vibratory motion       |
| <input type="radio"/>            | Linear motion          |
| <input checked="" type="radio"/> | Rotatory motion        |

Click to Save Answer &amp; Move to Next Question



BC200415058: ARZOO QAMAR

Time Left

86

sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 08:28 PM, 07 January 2022

Question # 9 of 10 (Start time: 08:35:15 PM, 07 January 2022)

Total Marks: 1

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Reload Math Equations

- |                                  |                        |
|----------------------------------|------------------------|
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| <input type="radio"/>            | Vibratory motion       |
| <input type="radio"/>            | Linear motion          |
| <input checked="" type="radio"/> | Rotatory motion        |

Click to Save Answer &amp; Move to Next Question



BC200415058: ARZOO QAMAR

Time Left

85

sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 08:28 PM, 07 January 2022

Question # 8 of 10 ( Start time: 08:34:37 PM, 07 January 2022 )

Total Marks: 1

The scalar product of two vectors is maximum when they are:

Select the correct option

- |                                  |               |
|----------------------------------|---------------|
| <input type="radio"/>            | Anti-parallel |
| <input checked="" type="radio"/> | Parallel      |
| <input type="radio"/>            | Perpendicular |
| <input type="radio"/>            | Null          |

[Click to Save Answer & Move to Next Question](#)





BC200415058: ARZOO QAMAR

Time Left

85

sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 08:28 PM, 07 January 2022

Question # 8 of 10 (Start time: 08:34:37 PM, 07 January 2022)

Total Marks: 1

The scalar product of two vectors is maximum when they are:

Select the correct option



Anti-parallel



Parallel



Perpendicular



Null

Click to Save Answer &amp; Move to Next Question



BC200415058: ARZOO QAMAR

Time Left

88

sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 08:28 PM, 07 January 2022

Question # 7 of 10 (Start time: 08:33:33 PM, 07 January 2022)

Total Marks: 1

As per Coulomb's law, the force of attraction or repulsion between two point charges directly proportional to the

Select the correct option



product of the magnitude of charges



square of the distance between them



sum of the magnitude of charges



cube of the distance

Click to Save Answer &amp; Move to Next Question



BC200415058: ARZOO QAMAR

Time Left

88

sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 08:28 PM, 07 January 2022

Question # 7 of 10 (Start time: 08:33:33 PM, 07 January 2022)

Total Marks: 1

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Select the correct option

- |                       |                                     |
|-----------------------|-------------------------------------|
| <input type="radio"/> | product of the magnitude of charges |
| <input type="radio"/> | square of the distance between them |
| <input type="radio"/> | sum of the magnitude of charges     |
| <input type="radio"/> | cube of the distance                |

Click to Save Answer &amp; Move to Next Question

A particle oscillating in simple harmonic motion is:

Select the correct option

- |                       |                                                                           |
|-----------------------|---------------------------------------------------------------------------|
| <input type="radio"/> | never in equilibrium because there is always a force                      |
| <input type="radio"/> | in equilibrium at the ends of its path because its velocity is zero there |
| <input type="radio"/> | in equilibrium at the center of its path because the acceleration is zero |
| <input type="radio"/> | never in equilibrium because it is in motion                              |

Quiz

vulms.vu.edu.pk/Quiz/QuizQuestion.aspx?ver=46a1a084-fa21-42b7-889a-4fa06aedc545

Apps Gmail YouTube Maps News Translate

Question # 1 of 10 (start time: 00:31:00 PM, 07 January 2022)

Reading list

Total marks: 10

A force of 120 N is exerted on a 40 kg container which sits on a floor. If the frictional force between floor and container is 80 N, what is the magnitude of the acceleration of the container?

Select the correct option

- ☐ 1  $\text{ms}^{-2}$
- ☐ 3  $\text{ms}^{-2}$
- ☐ 5  $\text{ms}^{-2}$
- ☐ 2  $\text{ms}^{-2}$

Type here to search

8:17 pm 07/01/2022





BC200415058: ARZOO QAMAR

Time Left  
87  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 08:28 PM, 07 January 2022

Question # 6 of 10 ( Start time: 08:32:09 PM, 07 January 2022 )

Total Marks: 1

Which of the following statements are TRUE of sound waves? Identify all that apply.

Select the correct option

- ☐ A sound wave is a mechanical wave
- ☒ To hear the sound of a tuning fork, the tines of the fork must move air from the fork to one's ear
- ☐ A sound wave is a transverse wave
- ☐ Sound can travel through a vacuum

[Click to Save Answer & Move to Next Question](#)



BC200415058: ARZOO QAMAR

Time Left

87

sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 08:28 PM, 07 January 2022

Question # 6 of 10 (Start time: 08:32:09 PM, 07 January 2022)

Total Marks: 1

Which of the following statements are TRUE of sound waves? Identify all that apply.

Select the correct option



A sound wave is a mechanical wave



To hear the sound of a tuning fork, the tines of the fork must move air from the fork to one's ear



A sound wave is a transverse wave



Sound can travel through a vacuum

Click to Save Answer &amp; Move to Next Question



BC200415058: ARZOO QAMAR

Time Left

87

sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 08:28 PM, 07 January 2022

Question # 5 of 10 ( Start time: 08:31:18 PM, 07 January 2022 )

Total Marks: 1

If the magnitude of force applied is increased, the work done will \_\_\_\_\_

Select the correct option



be decreased



have no change



become zero



be increased

Click to Save Answer &amp; Move to Next Question



BC200415058: ARZOO QAMAR

Time Left

87

sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 08:28 PM, 07 January 2022

Question # 5 of 10 (Start time: 08:31:18 PM, 07 January 2022)

Total Marks: 1

If the magnitude of force applied is increased, the work done will \_\_\_\_\_.

Select the correct option



be decreased



have no change



become zero



be increased

Click to Save Answer &amp; Move to Next Question

## Question # 10 of 10 ( Start time: 08:30:36 PM, 07 January 2022 )

Total Marks: 1

A municipal water supply is provided by a tall water tower. Water from this tower flows to a building. How does the water flow out of a faucet on the ground floor of a building compare with the water flow out of an identical faucet on the second floor of the building?

## Select the correct option

☐

Water flows at the same speed out of both faucets.

☐

The speed of the water flow cannot be determined unless the height of the water tower is known

☐

Water flows more rapidly out of the second-floor faucet

☐

Water flows more rapidly out of the ground-floor faucet.

[Click to Save Answer & Move to Next Question](#)



the acceleration of projectile in x-direction:

Select the correct option

- |                       |                                      |
|-----------------------|--------------------------------------|
| <input type="radio"/> | depends on initial velocity          |
| <input type="radio"/> | depends on y-acceleration            |
| <input type="radio"/> | depends on how long it is in the air |
| <input type="radio"/> | $0\text{ m/s}^2$                     |



BC200415058: ARZOO QAMAR

Time Left

86

sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 08:28 PM, 07 January 2022

Question # 4 of 10 (Start time: 08:30:35 PM, 07 January 2022)

Total Marks: 1

A fire whistle emits a tone of 170 Hz. Take the speed of sound in air to be 340m/s. The wavelength of this sound is about:

Select the correct option

- |                                  |      |
|----------------------------------|------|
| <input checked="" type="radio"/> | 2.0m |
| <input type="radio"/>            | 3.0m |
| <input type="radio"/>            | 0.5m |
| <input type="radio"/>            | 1.0m |

Click to Save Answer &amp; Move to Next Question



BC200415058: ARZOO QAMAR

Time Left

86

sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 08:28 PM, 07 January 2022

Question # 4 of 10 (Start time: 08:30:35 PM, 07 January 2022)

Total Marks: 1

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Select the correct option

|                                  |      |
|----------------------------------|------|
| <input checked="" type="radio"/> | 2.0m |
| <input type="radio"/>            | 3.0m |
| <input type="radio"/>            | 0.5m |
| <input type="radio"/>            | 1.0m |

Click to Save Answer &amp; Move to Next Question



BC200415058: ARZOO QAMAR

Time Left

86

sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 08:28 PM, 07 January 2022

Question # 3 of 10 ( Start time: 08:29:57 PM, 07 January 2022 )

Total Marks: 1

A plane produces a sonic boom only when:

Select the correct option



it emits sound waves of high frequency



it flies faster than the speed of sound



it emits sound waves of very long wavelength



it flies at high altitudes

Click to Save Answer &amp; Move to Next Question



Momentum may be expressed in:

Select the correct option

|                       |                                     |
|-----------------------|-------------------------------------|
| <input type="radio"/> | $\text{kg}/(\text{m}\cdot\text{s})$ |
| <input type="radio"/> | $\text{N}\cdot\text{s}$             |
| <input type="radio"/> | $\text{gram}\cdot\text{s}$          |
| <input type="radio"/> | $\text{kg}/\text{m}$                |



MCQs.pdf



Type here to search



BC200415058: ARZOO QAMAR

Time Left

86

sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 08:28 PM, 07 January 2022

Question # 3 of 10 ( Start time: 08:29:57 PM, 07 January 2022 )

Total Marks: 1

A plane produces a sonic boom only when:

Select the correct option



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it flies faster than the speed of sound



it emits sound waves of very long wavelength



it flies at high altitudes

Click to Save Answer &amp; Move to Next Question



## Question # 9 of 10 ( Start time: 08:29:38 PM, 07 January 2022 )

Total Marks: 1

The unit of intensity of sound is:

Select the correct option

 Reload Math Equations☐

Candela

☐

Meter

☐

Kelvin

☐

Decibel

Click to Save Answer &amp; Move to Next Question



BC200415058: ARZOO QAMAR

Time Left

88

sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 08:28 PM, 07 January 2022

Question # 2 of 10 ( Start time: 08:29:14 PM, 07 January 2022 )

Total Marks: 1

For a body to be in equilibrium under the combined action of several forces:

Select the correct option



all of the forces form pairs of equal and opposite forces



any two of these forces must be balanced by a third force



all the forces must be applied at the same point



the sum of the torques about any point must equal zero

Click to Save Answer &amp; Move to Next Question



BC200415058: ARZOO QAMAR

Time Left

88

sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 08:28 PM, 07 January 2022

Question # 2 of 10 ( Start time: 08:29:14 PM, 07 January 2022 )

Total Marks: 1

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any two of these forces must be balanced by a third force



all the forces must be applied at the same point



the sum of the torques about any point must equal zero

Click to Save Answer &amp; Move to Next Question



BC200415058: ARZOO QAMAR

Time Left  
85  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 08:28 PM, 07 January 2022

Question # 1 of 10 ( Start time: 08:28:28 PM, 07 January 2022 )

Total Marks: 1

0.0003711 in scientific notation is

Select the correct option

- ☒  $3.7 \times 10^{-4}$
- ☐  $3.7 \times 10^{-5}$
- ☐  $3.7 \times 10^{-1}$
- ☐  $3.7 \times 10^{-3}$

Click to Save Answer &amp; Move to Next Question

## Question # 8 of 10 ( Start time: 08:28:22 PM, 07 January 2022 )

Total Marks: 1

As we move above, the body above the surface of the earth, the change in potential energy will be:

## Select the correct option

|                       |          |
|-----------------------|----------|
| <input type="radio"/> | Infinity |
| <input type="radio"/> | Zero     |
| <input type="radio"/> | Positive |
| <input type="radio"/> | Negative |

[Click to Save Answer & Move to Next Question](#)

BC210426648: AZAIM E ALI

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Question # 2 of 10 ( Start time: 08:28:19 PM, 07 January 2022 )

A man, with his arms at his sides, is spinning on a light frictionless turntable. When he extends his arms:

Select the correct option

- ☐ his angular momentum remains the same
- ☐ his angular velocity increases
- ☐ his angular velocity remains the same
- ☐ his rotational inertia decreases





BC200415058: ARZOO QAMAR

Time Left

85

sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 08:28 PM, 07 January 2022

Question # 1 of 10 ( start time: 08:28:28 PM, 07 January 2022 )

Total Marks: 1

0.0003711 in scientific notation is

Select the correct option

 $3.7 \times 10^{-4}$  $3.7 \times 10^{-5}$  $3.7 \times 10^{-1}$  $3.7 \times 10^{-3}$ 

Click to Save Answer &amp; Move to Next Question

A 1-kg block is lifted vertically 1m by a boy. The work done by the boy is

Select the correct option

|                       |           |
|-----------------------|-----------|
| <input type="radio"/> | 0.1J      |
| <input type="radio"/> | 1 ft · lb |
| <input type="radio"/> | 10 J      |
| <input type="radio"/> | 1 J       |



## Question # 7 of 10 ( Start time: 08:27:28 PM, 07 January 2022 )

Total Marks: 1

the projectile path is known as its;

Select the correct option

☐

curve

☐

range

☐

time of action

☐

trajectory

Click to Save Answer & Move to Next Question



## PHY101 – Physics (2nd online quiz of Physics (PHY101))

Total Questions :10

**Please read the following instructions carefully!**

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**Important Announcement**

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[Start Quiz](#)



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[Start Quiz](#)

## Question # 6 of 10 ( Start time: 08:26:10 PM, 07 January 2022 )

Total Marks: 1

A municipal water supply is provided by a tall water tower. Water from this tower flows to a building. How does the water flow out of a faucet on the ground floor of a building compare with the water flow out of an identical faucet on the second floor of the building?

## Select the correct option

☐

The speed of the water flow cannot be determined unless the height of the water tower is known.

☐

Water flows at the same speed out of both faucets.

☐

Water flows more rapidly out of the second-floor faucet.

☐

Water flows more rapidly out of the ground-floor faucet.

[Click to Save Answer & Move to Next Question](#)



An object moving in a circle at constant speed:

Select the correct option

|                       |                                           |
|-----------------------|-------------------------------------------|
| <input type="radio"/> | must have only one force acting on it     |
| <input type="radio"/> | is not accelerating                       |
| <input type="radio"/> | has no change in its direction            |
| <input type="radio"/> | has an acceleration of constant magnitude |

Question # 5 of 10 ( Start time: 08:25:14 PM, 07 January 2022 )

Total Marks: 1

Earth exerts a gravitational force on the Moon, keeping it in its orbit. The reaction to this force, in the sense of Newton's third law, is:

Select the correct option

☐

the tides due to the Moon

☐

the gravitational force on Earth by the Moon

☐

the nearly circular orbit of the Moon

☐

the centripetal force on the Moon

Click to Save Answer & Move to Next Question

Question # 4 of 10 ( Start time: 08:24:15 PM, 07 January 2022 )

Total Marks: 1

back and forth in a leftward and rightward direction. This type of wave is known as a \_\_\_\_\_.

Select the correct option

|                       |                 |
|-----------------------|-----------------|
| <input type="radio"/> | Longitudinal    |
| <input type="radio"/> | Mechanical      |
| <input type="radio"/> | Transverse      |
| <input type="radio"/> | Electromagnetic |

Click to Save Answer &amp; Move to Next Question

## Question # 3 of 10 ( Start time: 08:23:08 PM, 07 January 2022 )

Total Marks: 1

A whistle producing sound waves of frequencies 9500 Hz and above is approaching a stationary person with speed  $v \text{ ms}^{-1}$ . The velocity of sound in air is  $300 \text{ ms}^{-1}$ . If the person can hear frequencies up to 10000 Hz, the maximum value of  $v$  up to which he can hear the whistle is.

Select the correct option

|                       |      |
|-----------------------|------|
| <input type="radio"/> | 1.2  |
| <input type="radio"/> | 1.4  |
| <input type="radio"/> | 1.5  |
| <input type="radio"/> | 1.45 |

Click to Save Answer &amp; Move to Next Question

Question # 2 of 10 ( Start time: 08:21:22 PM, 07 January 2022 )

Total Marks: 1

Stress is defined in terms of:

Select the correct option

 Reload Math Equations☐

Newtons

☐

Applied force

☐

Formation

☐

Deformation

Click to Save Answer &amp; Move to Next Question

## Question # 1 of 10 ( Start time: 08:20:21 PM, 07 January 2022 )

Total Marks: 1

A force of 100 N acts upon a body for five seconds. What will be the change in momentum?

Select the correct option

☐

20 NS

☐

200 NS

☐

500 NS

☐

50 NS

[Click to Save Answer & Move to Next Question](#)



BC210400297: SALMA NASEER

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Question # 6 of 10 ( Start time: 08:12:41 PM, 07 January 2022 )

A 1-kg block is lifted vertically 1m by a boy. The work done by the boy is about:

Select the correct option

- |                       |           |
|-----------------------|-----------|
| <input type="radio"/> | 0.1J      |
| <input type="radio"/> | 1 ft - lb |
| <input type="radio"/> | 10 J      |
| <input type="radio"/> | 1 J       |



# Quiz

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BC210428801: BAKHTAWAR NAWAZ

Time Left 90  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 07:58 PM, 07 January 2022

Question #10 of 10 ( start time: 08:11:27 PM, 07 January 2022 )

Total Marks: 1

The angular displacement of one revolution is equal to:

Select the correct option

- |                       |                |
|-----------------------|----------------|
| <input type="radio"/> | $\pi$ radian   |
| <input type="radio"/> | $2\pi$ radian  |
| <input type="radio"/> | 1 radian       |
| <input type="radio"/> | $\pi/2$ radian |

Click to Save Answer & Move to Next Question

BC210400297: SALMA NASEER

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Question # 5 of 10 ( Start time: 08:11:13 PM, 07 January 2022 )

For a body to be in equilibrium under the combined action of several forces:

Select the correct option

- |                       |                                                                              |
|-----------------------|------------------------------------------------------------------------------|
| <input type="radio"/> | all of the forces form pairs of equal and opposite forces                    |
| <input type="radio"/> | all the forces must be applied at the same point                             |
| <input type="radio"/> | the sum of the components of all the forces in any direction must equal zero |
| <input type="radio"/> | any two of these forces must be balanced by a third force                    |



# Quiz

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BC210428801: BAKHTAWAR NAWAZ

Time Left 90  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 07:58 PM, 07 January 2022

Question # 9 of 10 ( Start time: 08:09:40 PM, 07 January 2022 )

Total Marks: 1

Bulk modulus is involved when the deformation is:

Select the correct option

 Reload Math Equations



Three dimensional



No dimension



One dimensional



Two dimensional

Click to Save Answer & Move to Next Question



# Quiz

vulms.vu.edu.pk



BC210428801: BAKHTAWAR NAWAZ

Time Left 90  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 07:58 PM, 07 January 2022

Question # 8 of 10 ( Start time: 08:08:03 PM, 07 January 2022 )

Total Marks: 1

What is the angle of projection of projectile, for which its maximum height and horizontal range are equal?

Select the correct option

|                       |     |
|-----------------------|-----|
| <input type="radio"/> | 30° |
| <input type="radio"/> | 76° |
| <input type="radio"/> | 90° |
| <input type="radio"/> | 36° |

Click to Save Answer & Move to Next Question

BC210400297: SALMA NASEER

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Question # 2 of 10 ( Start time: 08:08:19 PM, 07 January 2022 )

In simple harmonic motion, the restoring force must be proportional to the:

Select the correct option

- |                       |              |
|-----------------------|--------------|
| <input type="radio"/> | amplitude    |
| <input type="radio"/> | frequency    |
| <input type="radio"/> | displacement |
| <input type="radio"/> | velocity     |



BC210400297: SALMA NASEER

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Question # 1 of 10 ( Start time: 08:06:50 PM, 07 January 2022 )

A ball is allowed to fall freely from certain height. It covers a distance in 1st second equal to:

Select the correct option

- |                       |       |
|-----------------------|-------|
| <input type="radio"/> | none  |
| <input type="radio"/> | $g$   |
| <input type="radio"/> | $g/2$ |
| <input type="radio"/> | $2g$  |



# Quiz

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BC210428801: BAKHTAWAR NAWAZ

Time Left 87  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 07:58 PM, 07 January 2022

Question # 7 of 10 ( Start time: 08:06:45 PM, 07 January 2022 )

Total Marks: 1

Work may be done by \_\_\_\_\_.

Select the correct option



only non-living objects



only living organisms



only vehicles



both living organisms and non-living objects

Click to Save Answer & Move to Next Question



# Quiz

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BC210428801: BAKHTAWAR NAWAZ

Time Left 90  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 07:58 PM, 07 January 2022

Question # 6 of 10 ( Start time: 08:05:38 PM, 07 January 2022 )

Total Marks: 1

The work done by gravity during the descent of a projectile:

Select the correct option



is zero



depends for its sign on the direction of the y axis



is positive



is negative

Click to Save Answer & Move to Next Question



# Quiz

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BC210428801: BAKHTAWAR NAWAZ

Time Left 90  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 07:58 PM, 07 January 2022

Question # 5 of 10 ( Start time: 08:04:36 PM, 07 January 2022 )

Total Marks: 1

In \_\_\_\_\_ object returns to its original position if displaced slightly

Select the correct option



stable equilibrium



dynamic equilibrium



unstable equilibrium



rotational equilibrium

Click to Save Answer & Move to Next Question

Question # 10 of 10 ( Start time: 07:55:27 PM, 07 January 2022 )

Let  $M$  denote the mass of Earth and let  $R$  denote its radius. The ratio  $g/G$  at Earth's surface is:

Select the correct option

|                                  |         |
|----------------------------------|---------|
| <input type="radio"/>            | $M/R$   |
| <input checked="" type="radio"/> | $M/R^2$ |
| <input type="radio"/>            | $R^2/M$ |

Question # 10 of 10 ( Start time: 07:55:27 PM, 07 January 2022 )

Let  $M$  denote the mass of Earth and let  $R$  denote its radius. The ratio  $g/G$  at Earth's surface is:

Select the correct option

|                                  |         |
|----------------------------------|---------|
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| <input checked="" type="radio"/> | $M/R^2$ |
| <input type="radio"/>            | $R^2/M$ |





# Quiz

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BC210428801: BAKHTAWAR NAWAZ

Time Left 90  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 07:58 PM, 07 January 2022

Question # 4 of 10 ( Start time: 08:02:56 PM, 07 January 2022 )

Total Marks: 1

the acceleration of projectile in x-direction:

Select the correct option



depends on how long it is in the air



depends on initial velocity



depends on y-acceleration



0 m/s<sup>2</sup>

Click to Save Answer & Move to Next Question



# Quiz

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BC210428801: BAKHTAWAR NAWAZ

Time Left 90  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 07:58 PM, 07 January 2022

Question # 3 of 10 ( Start time: 08:01:56 PM, 07 January 2022 )

Total Marks: 1

In \_\_\_\_\_ object moves farther away from its original position if displaced slightly

Select the correct option



dynamic equilibrium



unstable equilibrium



stable equilibrium



rotational equilibrium

Click to Save Answer & Move to Next Question



# Quiz

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BC210428801: BAKHTAWAR NAWAZ

Time Left 90  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 07:58 PM, 07 January 2022

Question # 2 of 10 ( Start time: 08:00:14 PM, 07 January 2022 )

Total Marks: 1

A ball is allowed to fall freely from certain height. It covers a distance in 1st second equal to:

Select the correct option

|                       |       |
|-----------------------|-------|
| <input type="radio"/> | $2g$  |
| <input type="radio"/> | $g$   |
| <input type="radio"/> | none  |
| <input type="radio"/> | $g/2$ |

Click to Save Answer & Move to Next Question



# Quiz

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BC210428801: BAKHTAWAR NAWAZ

Time Left 89  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 07:58 PM, 07 January 2022

Question #1 of 10 ( start time: 07:58:50 PM, 07 January 2022 )

Total Marks: 1

A mosquito's buzz is often rated with a decibel rating of 40 dB. Normal conversation is often rated at 60 dB. How many times more intense is normal conversation compared to a mosquito's buzz?

Select the correct option

|                       |     |
|-----------------------|-----|
| <input type="radio"/> | 100 |
| <input type="radio"/> | 20  |
| <input type="radio"/> | 400 |
| <input type="radio"/> | 2   |

Click to Save Answer & Move to Next Question



# Start Quiz

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## PHY101 - Physics (2nd online quiz of Physics (PHY101))

Total Questions :10

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Start Quiz

Question # 8 of 10 ( Start time: 07:47:57 PM, 07 January 2022 )

Total Marks: 1

Two sound waves are traveling through a container of unknown gas. Wave A has a wavelength of 1.2 m. Wave B has a wavelength of 3.6 m. The frequency of wave B must be ----- the frequency of wave A.

Select the correct option

|                       |                         |
|-----------------------|-------------------------|
| <input type="radio"/> | The same as             |
| <input type="radio"/> | Three times larger than |
| <input type="radio"/> | One-ninth               |
| <input type="radio"/> | One-third               |

Click to Save Answer &amp; Move to Next Question



**Question # 4 of 10 ( Start time: 07:47:42 PM, 07 January 2022 )**

In .....object returns to its original position if displaced slightly

**Select the correct option**

- |                       |                        |
|-----------------------|------------------------|
| <input type="radio"/> | stable equilibrium     |
| <input type="radio"/> | dynamic equilibrium    |
| <input type="radio"/> | unstable equilibrium   |
| <input type="radio"/> | rotational equilibrium |

[Click to see answer](#)

Question # 5 of 10 ( Start time: 07:45:59 PM, 07 January 2022 )

Total Marks: 1

Change in momentum in one second is called:

Select the correct option

|                       |         |
|-----------------------|---------|
| <input type="radio"/> | Impulse |
| <input type="radio"/> | Force   |
| <input type="radio"/> | Torque  |
| <input type="radio"/> | Work    |

Click to Save Answer & Move to Next Question

Question # 4 of 10 ( Start time: 07:44:56 PM, 07 January 2022 )

What is the angle of projection of projectile, for which its maximum height and horizontal range are equal?

Select the correct option

|                       |     |
|-----------------------|-----|
| <input type="radio"/> | 76° |
| <input type="radio"/> | 90° |
| <input type="radio"/> | 36° |
| <input type="radio"/> | 30° |

Click to Save Answer & Move to Next Question

4G 4G 7:44

4G 41



<https://vulms.vu.edu.pk>

2



The angular displacement of one revolution is equal to:

Select the correct option

|                                  |                |
|----------------------------------|----------------|
| <input checked="" type="radio"/> | $\pi$ radian   |
| <input type="radio"/>            | 1 radian       |
| <input type="radio"/>            | $2\pi$ radian  |
| <input type="radio"/>            | $\pi/2$ radian |

**Question # 5 of 10 ( Start time: 07:37:01 PM, 07 January 2022 )**

The unit of intensity of sound is:

**Select the correct option**

 Reload

|                                  |         |
|----------------------------------|---------|
| <input type="radio"/>            | Meter   |
| <input type="radio"/>            | Candela |
| <input type="radio"/>            | Kelvin  |
| <input checked="" type="radio"/> | Decibel |

[Click to Save Answer & Move to Next](#)

Question # 2 of 10 ( Start time: 07:33:46 PM, 07 January 2022 )

The angular momentum  $L$  of a rigid body is given by:

Select the correct option



Relo

|                                  |            |
|----------------------------------|------------|
| <input checked="" type="radio"/> | $I\omega$  |
| <input type="radio"/>            | $mr\omega$ |
| <input type="radio"/>            | $r\omega$  |
| <input type="radio"/>            | $mrI$      |

A force of 120 N is exerted on a 40 kg container which sits on a floor. If the frictional force between floor and container is 80 N, what is the magnitude of the acceleration of the container?

Select the correct option

|                                  |                    |
|----------------------------------|--------------------|
| <input checked="" type="radio"/> | 1 ms <sup>-2</sup> |
| <input type="radio"/>            | 5 ms <sup>-2</sup> |
| <input type="radio"/>            | 3 ms <sup>-2</sup> |
| <input type="radio"/>            | 2 ms <sup>-2</sup> |



Question # 3 of 10 ( Start time: 07:43:56 PM, 07 January 2022 )

If  $F$  is the force acting on the test charge  $q_0$ , the electric field intensity  $E$  would be given by

Select the correct option



$$E = F/q_0$$



$$E = q_0/F$$



$$E = F + q_0$$



$$E = F - q_0$$

Click to Save Answer &



A plane produces a sonic boom only when:

**Select the correct option**

- |                       |                                              |
|-----------------------|----------------------------------------------|
| <input type="radio"/> | it emits sound waves of high frequency       |
| <input type="radio"/> | it flies faster than the speed of sound      |
| <input type="radio"/> | it emits sound waves of very long wavelength |
| <input type="radio"/> | it flies at high altitudes                   |

Question # 2 of 10 ( Start time: 07:42:27 PM, 07 January 2022 )

Total Mark

A/an ----- is the basic reason to change in the motion of an object according to Newton's second law of motion.

Select the correct option

|                       |                     |
|-----------------------|---------------------|
| <input type="radio"/> | decrease in inertia |
| <input type="radio"/> | change in velocity  |
| <input type="radio"/> | net force           |
| <input type="radio"/> | acceleration        |

Click to Save Answer & Move to Next Question

Question # 1 of 10 ( Start time: 07:41:22 PM, 07 January 2022 )

Total Marks: 1

A 4.0-m long steel beam with a cross-sectional area of  $1.0 \times 10^{-2} \text{ m}^2$  and a Young's modulus of  $2.0 \times 10^{11} \text{ N/m}^2$  is wedged horizontally between two vertical walls. In order to wedge the beam, it is compressed by 0.020mm. If the coefficient of static friction between the beam and the walls is 0.70 the maximum mass (including its own) it can bear without slipping is:

Select the correct option

|                       |        |
|-----------------------|--------|
| <input type="radio"/> | 710 kg |
| <input type="radio"/> | 71 kg  |
| <input type="radio"/> | 36 kg  |
| <input type="radio"/> | 3.6kg  |

Click to Save Answer & Move to Next Question



BC200410732: SYED MUHAMMAD EHTASHAM BUKHARI

Time Left

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 07:23 PM, 07 Januc

Question # 10 of 10 ( Start time: 07:35:33 PM, 07 January 2022)

Total

The ultimate strength of a sample is the stress at which the sample

Select the correct option



remains underwater



returns to its original shape when the stress is removed



bends 180°



breaks

Click to Save Answer &amp; Move to Next Question



BC200410732- SYED MUHAMMAD EHTASHAM BUKHARI

Time Left 84  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 07:23 PM, 07 January 20

Question # 9 of 10 ( start time: 07:33:52 PM, 07 January 2022 )

Total Mark

Unit of distance is:

Select the correct option

- |                       |            |
|-----------------------|------------|
| <input type="radio"/> | Second     |
| <input type="radio"/> | Mole       |
| <input type="radio"/> | Kilo gram  |
| <input type="radio"/> | Light year |

Click to Save Answer &amp; Move to Next Question

Screenshot has been saved to/Pictures/Screenshot



BC200410732: SYED MUHAMMAD EHTASHAM BUKHARI

Time Left 84  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 07:23 PM, 07 January 20

Question # 8 of 10 ( start time: 07:32:36 PM, 07 January 2022 )

Total Mark

SI Unit of time period is .....

Select the correct option

- |                                  |            |
|----------------------------------|------------|
| <input checked="" type="radio"/> | second     |
| <input type="radio"/>            | hour       |
| <input type="radio"/>            | minute     |
| <input type="radio"/>            | nanosecond |

Click to Save Answer &amp; Move to Next Question



Question #7 of 10 ( start time: 07:31:23 PM, 07 January 2022 )

If the magnitude of force applied is increased, the work done will -----

Select the correct option

- |                       |                |
|-----------------------|----------------|
| <input type="radio"/> | become zero    |
| <input type="radio"/> | have no change |
| <input type="radio"/> | be decreased   |
| <input type="radio"/> | be increased   |

[Click to Save Answer & Move to](#)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 07:23 PM, 07 Janus

Question # 6 of 10 ( Start time: 07:30:30 PM, 07 January 2022 )

Total

It is easier to walk on the concrete road than on ice because:

Select the correct option

- |                       |                                                                                           |
|-----------------------|-------------------------------------------------------------------------------------------|
| <input type="radio"/> | ice is soft and spongy where as concrete is hard                                          |
| <input type="radio"/> | the friction between the ice and the feet is less than that between the concrete and feet |
| <input type="radio"/> | the amount of friction is same for both (ice & concrete road)                             |
| <input type="radio"/> | there is more friction on the ice than on concrete                                        |

Click to Save Answer &amp; Move to Next Question



PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 07:23 PM, 0

Question # 5 of 10 ( Start time: 07:28:51 PM, 07 January 2022 )

Sound waves do not travel through

Select the correct option

- |                       |         |
|-----------------------|---------|
| <input type="radio"/> | liquids |
| <input type="radio"/> | vacuum  |
| <input type="radio"/> | solids  |
| <input type="radio"/> | gases   |

[Click to Save Answer & Move to Next](#)



PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 07:23 PM, 07 J

Question # 4 of 10 ( Start time: 07:27:15 PM, 07 January 2022 )

When number of bodies are such that they can exert force upon one another and no external agency exerts a force on them, they form:

Select the correct option

- |                       |                                 |
|-----------------------|---------------------------------|
| <input type="radio"/> | An inertial frame of reference  |
| <input type="radio"/> | Non isolated system             |
| <input type="radio"/> | An isolated system              |
| <input type="radio"/> | Non-inertial frame of reference |

Click to Save Answer &amp; Move to Next



BC200410732: SYED MUHAMMAD EHTASHAM BUKHARI

Time Left 88  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 07:23 PM, 07 January 2022

Question # 3 of 10 ( Start time: 07:25:40 PM, 07 January 2022 )

Total Marks: 1

when a body moves in a circle, the angle between its linear velocity and angular velocity:

select the correct option

|                       |     |
|-----------------------|-----|
| <input type="radio"/> | 45  |
| <input type="radio"/> | 90  |
| <input type="radio"/> | 0   |
| <input type="radio"/> | 180 |

Click to Save Answer &amp; Move to Next Question



Change in momentum in one second is called:

Select the correct option



Torque



Impulse



Force



Work

Click to Save Answer & Move to Next Question



Question # 1 of 10 ( start time: 07:23:12 PM, 07 January 2022 )

When a spring is compressed or stretched, the potential energy of the spring

is

Select the correct option



Increases



Becomes zero



Stays constant



Decreases

[Click to Save Answer & Move to Next](#)





BC210420819, KIRANJITA SINGH

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time

Question # 5 of 10 ( Start time: 07:16:46 PM, 07 January 2022 )

In \_\_\_\_\_, object moves farther away from its original position if displaced slightly

Select the correct option

- |                       |                        |
|-----------------------|------------------------|
| <input type="radio"/> | unstable equilibrium   |
| <input type="radio"/> | stable equilibrium     |
| <input type="radio"/> | rotational equilibrium |
| <input type="radio"/> | dynamic equilibrium    |

Click to Save Answer



A body of mass 2 kg moving with velocity 4 m/s has K.E equals to:

**Select the correct option**

|                       |      |
|-----------------------|------|
| <input type="radio"/> | 2 J  |
| <input type="radio"/> | 16 J |
| <input type="radio"/> | 32 J |
| <input type="radio"/> | 8 J  |



BC200205582: SUMARA MANZOOR

Time Left 89  
SEC(S)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 06:59 PM, 07 January 2022

Question # 7 of 10 (Start time: 07:07:10 PM, 07 January 2022)

Total Marks: 1

If a body whose mass is much less than a body at rest collide with it elastically, then it bounces back with:

Select the correct option

- |                       |                      |
|-----------------------|----------------------|
| <input type="radio"/> | Same velocity        |
| <input type="radio"/> | None of these        |
| <input type="radio"/> | Double velocity      |
| <input type="radio"/> | Half of the velocity |

[Click to Save Answer & Move to Next Question](#)



Question # 4 of 10 (Start time: 07:05:13 PM, 07 January 2022)

Work done in gravitational field:

Select the correct option

|                       |          |
|-----------------------|----------|
| <input type="radio"/> | Positive |
| <input type="radio"/> | Negative |
| <input type="radio"/> | Maximum  |
| <input type="radio"/> | Zero     |



BC200205582: SUMARA MANZOOR

Time Left 64  
SEC(S)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 06:59 PM, 07 January 2022

Question # 6 of 10 ( start time: 07:05:47 PM, 07 January 2022 )

Total Marks: 1

A force of 100 N acts upon a body for five seconds. What will be the change in momentum?

Select the correct option

|                       |        |
|-----------------------|--------|
| <input type="radio"/> | 500 NS |
| <input type="radio"/> | 20 NS  |
| <input type="radio"/> | 200 NS |
| <input type="radio"/> | 50 NS  |

Click to Save Answer &amp; Move to Next Question



BC200205582: SUMARA MANZOOR

Time Left 87  
SEC(S)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 06:59 PM, 07 January 2022

Question # 5 of 10 ( start time: 07:04:45 PM, 07 January 2022 )

Total Marks: 1

It is easier to walk on the concrete road than on ice because:

Select the correct option



the friction between the ice and the feet is less than that between the concrete and feet



ice is soft and spongy where as concrete is hard



there is more friction on the ice than on concrete



the amount of friction is same for both (ice &amp; concrete road)

Click to Save Answer &amp; Move to Next Question



WhatsApp Business

now

## WA Business

4 messages from 2 chats

Question # 4 of 10 ( Start time: 07:03:02 PM, 07 January 2022 )

Total Marks: 1

The process by which the energy is dissipated from an oscillating system called:

Select the correct option

Reload Math Equations

|                       |                       |
|-----------------------|-----------------------|
| <input type="radio"/> | Resonance             |
| <input type="radio"/> | Harmonic oscillations |
| <input type="radio"/> | Forced oscillations   |
| <input type="radio"/> | Damping               |

Click to Save Answer &amp; Move to Next Question





Question # 3 of 10 ( Start time: 07:03:34 PM, 07 January 2022 )

back and forth in a leftward and rightward direction. This type of wave is known as a \_\_\_\_\_.

Select the correct option

- |                       |                 |
|-----------------------|-----------------|
| <input type="radio"/> | Electromagnetic |
| <input type="radio"/> | Transverse      |
| <input type="radio"/> | Mechanical      |
| <input type="radio"/> | Longitudinal    |

Click to Save



BC200205582: SUMARA MANZOOR

Time Left 87  
SEC(S)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 06:59 PM, 07 January 2022

Question # 3 of 10 ( Start time: 07:02:08 PM, 07 January 2022 )

Total Marks: 1

If the acceleration of a body is not uniform, then velocity-time graph will be:

Select the correct option

Reload Math Equations

|                       |               |
|-----------------------|---------------|
| <input type="radio"/> | Sphere        |
| <input type="radio"/> | Circle        |
| <input type="radio"/> | Curve         |
| <input type="radio"/> | Straight line |

Click to Save Answer &amp; Move to Next Question



# Quiz

vulms.vu.edu.pk



BC200414242 MEHWISH ABBAS

Time Left 87 sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 06:23 PM, 07 January 2022

Question #1 of 10 (Start time: 06:23:15 PM, 07 January 2022)

Total Marks: 1

An object moves in a circle at constant speed. The work done by the centripetal force is zero because:



the average force for each revolution is zero



the centripetal force is perpendicular to the velocity

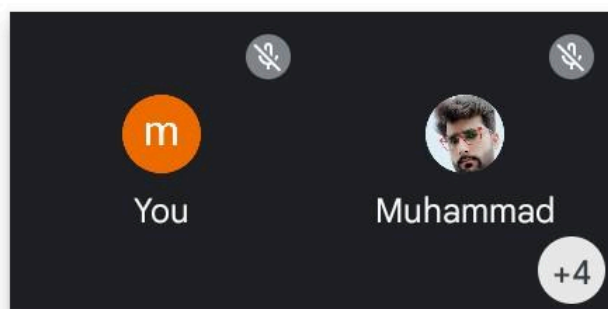


there is no friction



the displacement for each revolution is zero

Click to Save Answer &amp; Move to Next Question



PHY101 - Physics (2nd online quiz of Physics (PHY101))

Question # 10 of 10 ( Start time: 06:59:33 PM, 07 January 2022 )

The velocity time graph is parallel to time axis the acceleration of moving body is:

Select the correct option

☐

Zero

☐

Maximum

☐

Negative

☐

Positive





## PHY101 - Physics (2nd online quiz of Physics (PHY101))

Question # 1 of 10 ( Start time: 06:31:06 PM, 07 January 2022 )

Momentum may be expressed in:

Select the correct option

 $\text{kg}/(\text{m}\cdot\text{s})$  $\text{kg}/\text{m}$  $\text{gram}\cdot\text{s}$  $\text{N}\cdot\text{s}$ 

Click

Question # 9 of 10 (Start time: 06:58:03 PM, 07 January 2022)

Total Marks: 1

A mosquito's buzz is often rated with a decibel rating of 40 dB. Normal conversation is often rated at 60 dB. How many times more intense is normal conversation compared to a mosquito's buzz?

Select the correct option

- |                       |     |
|-----------------------|-----|
| <input type="radio"/> | 2   |
| <input type="radio"/> | 100 |
| <input type="radio"/> | 20  |
| <input type="radio"/> | 400 |

Click to Save Answer & Move to Next Question



# Quiz

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BC200414242 MEHWISH ABBAS

Time Left 86 sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 06:23 PM, 07 January 2022

Question # 7 of 10 ( start time: 06:31:56 PM, 07 January 2022 )

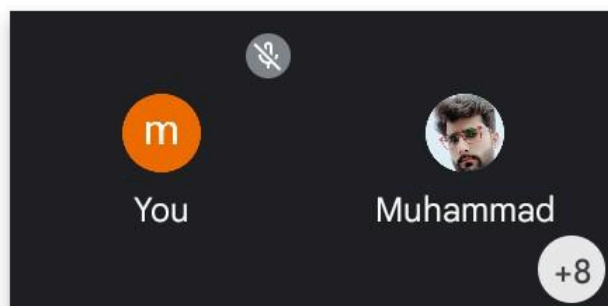
Total Marks: 1

A 4.0-m long steel beam with a cross-sectional area of  $1.0 \times 10^{-2} \text{ m}^2$  and a Young's modulus of  $2.0 \times 10^{11} \text{ N/m}^2$  is wedged horizontally between two vertical walls. In order to wedge the beam, it is compressed by 0.020 mm. If the coefficient of static friction between the beam and the walls is 0.70 the maximum mass (including its own) it can bear without slipping is:

Select the correct option

|                       |        |
|-----------------------|--------|
| <input type="radio"/> | 3.6 kg |
| <input type="radio"/> | 71 kg  |
| <input type="radio"/> | 710 kg |
| <input type="radio"/> | 36 kg  |

Click to Save Answer &amp; Move to Next Question







## Question # 2 of 10 ( Start time: 06:32:02 PM, 07 January 2022 )

If force of friction is negligible, then acceleration of two freely falling objects of different masses is:

## Select the correct option



None of these



The same



Smaller acceleration for smaller mass



Variable

Click to Save Answer & t



Question # 8 of 10 (Start time: 06:56:52 PM, 07 January 2022)

Total Marks: |

A 2.0-kg block travels around a 0.50-m radius circle with an angular velocity of 12 rad/s. Its angular momentum about the center of the circle is:

Select the correct option

☐

72 kg.m<sup>2</sup>/s<sup>2</sup>

☐

48 kg/m<sup>2</sup>.s

☐

6.0 kg.m<sup>2</sup>/s

☐

12 kg.m<sup>2</sup>/s





Question # 4 of 10 ( Start time: 06:35:13 PM, 07 January 2022 )

The direction of angular momentum of a body moving in a circle is:

Select the correct option

- |                       |                                      |
|-----------------------|--------------------------------------|
| <input type="radio"/> | Along the tangent                    |
| <input type="radio"/> | Radially inward                      |
| <input type="radio"/> | Radially outward                     |
| <input type="radio"/> | Perpendicular to the plane of circle |

Click to



# Quiz

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BC200414242: MEHWISH ABBAS

**Time Left** 84  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 06:23 PM, 07 January 2022

Question #10 of 10 (start time: 06:35:18 PM, 07 January 2022)

Total Marks: 1

A particle, held by a string whose other end is attached to a fixed point C, moves in a circle on a horizontal frictionless surface. If the string is cut, the angular momentum of the particle about the point C:

Select the correct option

|                       |                                     |
|-----------------------|-------------------------------------|
| <input type="radio"/> | Decreases                           |
| <input type="radio"/> | Increases                           |
| <input type="radio"/> | Does not change                     |
| <input type="radio"/> | Changes direction but not magnitude |

Click to Save Answer &amp; Move to Next Question



Question # 7 of 10 ( Start time: 08:54:39 PM, 07 January 2022 )

A body of mass 2 kg moving with velocity 4 m/s has K.E equals to:

Select the correct option

|                                  |      |
|----------------------------------|------|
| <input type="radio"/>            | 16 J |
| <input type="radio"/>            | 2 J  |
| <input checked="" type="radio"/> | 8 J  |
| <input type="radio"/>            | 32 J |





vulms.vu.edu.pk/Quiz/Q

8



A ----- vector is obtained by dividing the vector by its magnitude:

Select the correct option



unit



normal



position



negative

Click to Save Answer



BC210421043: ADNAN ALI

Time Left 82  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 06:31 PM, 07 January 2022

Question # 8 of 10 ( start time: 06:39:20 PM, 07 January 2022 )

Total Marks: 1

Let  $F_1$  be the magnitude of the gravitational force exerted on the Sun by Earth and  $F_2$  be the magnitude of the force exerted on Earth by the Sun. Then:

Select the correct option

 $F_1$  is equal to  $F_2$  $F_1$  is slightly less than  $F_2$  $F_1$  is much greater than  $F_2$  $F_1$  is slightly greater than  $F_2$ 

Click to Save Answer &amp; Move to Next Question



The area under the velocity time graph is:

Select the correct option

☐

Distance

☐

Torque

☐

Acceleration

☐

Force

Click to Save Answer



vulms.vu.edu.pk/Quiz/Q

8



BC210421043: ADNAN ALI

Time Left

88  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 06:31 PM, 07 January 2022

Question # 10 of 10 ( Start time: 06:41:01 PM, 07 January 2022 )

Total Marks:

A certain wire stretches 0.90 cm when outward forces with magnitude  $F$  are applied to each end. The same forces are applied to a wire of the same material but with three times the diameter and three times the length. The second wire stretches:

Select the correct option



2.7 cm



0.10 cm



0.30 cm



0.90 cm

Click to Save Answer &amp; Move to Next Question





BC200404616: MUHAMMAD WASEEM SHEHZAD

Time Left 86  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 05:34 PM, 07 January 2022

Question # 7 of 10 ( Start time: 05:41:06 PM, 07 January 2022 )

Total Marks: 1

A glass of water is placed on a sheet of paper. Quickly drag the sheet of paper from under the glass of water without spilling the water is due to:

Select the correct option



inertia



Newton's third law of motion



acceleration



lack of friction between paper and glass

Click to Save Answer &amp; Move to Next Question



BC200404616: MUHAMMAD WASEEM SHEHZAD

Time Left 88  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 05:34 PM, 07 January 2022

Question # 8 of 10 ( Start time: 05:42:46 PM, 07 January 2022)

Total Marks: 1

Take the speed of sound to be 340m/s. A thunder clap is heard about 3 s after the lightning is seen. The source of both light and sound is:

Select the correct option



about 1000m away



moving overhead faster than the speed of sound



emitting a much higher frequency than is heard



emitting a much lower frequency than is heard

Click to Save Answer &amp; Move to Next Question

Question # 4 of 10 ( Start time: 06:43:54 PM, 07 January 2022 )

Total Marks

Two sound waves are traveling through a container of unknown gas. Wave A has a wavelength of 1.2 m. Wave B has a wavelength of 3.6 m. The velocity of wave B must be \_\_\_\_\_ the velocity of wave A.

Select the correct option

☐

One-ninth

☒

One-third

☐

Three times larger than

☐

The same as

Click to Save Answer & Move to Next Question



Question # 10 of 10 ( Start time: 06:45:47 PM, 07 January 2022 )

Which pair will always have the same magnitude to the rate of change of position?

Select the correct option

|                       |                                                |
|-----------------------|------------------------------------------------|
| <input type="radio"/> | Average speed and instantaneous speed          |
| <input type="radio"/> | instantaneous speed and instantaneous velocity |
| <input type="radio"/> | Average velocity and instantaneous velocity    |
| <input type="radio"/> | Average speed and average velocity             |

[Click to Save](#)



A transverse wave is transporting energy from east to west. The particles of the medium will move\_\_\_\_\_.

**Select the correct option**

☐ Both eastward and westward

☐ East to west only

☐ North to south only

☐ Both northward and southward

Click to Save Answer & Move to Next Quest



The angular momentum vector of Earth about its rotation axis, due to its daily rotation, is directed

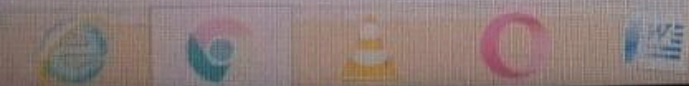
Select the correct option

tangent to the equator toward the west

tangent to the equator toward the east

south

north



TOSHIBA



Question # 9 of 10 ( Start time: 06:42:27 PM, 07 January 2022 )

Total I

A heavy particle moving with 5 m/s suffers an elastic collision with a light particle at rest. After collision, the velocity of light particle will be

Select the correct option



2.5 m/s



10 m/s



5 m/s



20 m/s

[Click to Save Answer & Move to Next Question](#)



A 1-kg block is lifted vertically 1m by a boy. The work done by the boy is about

Select the correct option

|                       |           |
|-----------------------|-----------|
| <input type="radio"/> | 1 ft · lb |
| <input type="radio"/> | 10 J      |
| <input type="radio"/> | 1 J       |
| <input type="radio"/> | 0.1 J     |





Question # 8 of 10 ( Start time: 06:41:02 PM, 07 January 2022 )

back and forth in a leftward and rightward direction. This type of wave is known as a \_\_\_\_\_.

Select the correct option

- |                       |                 |
|-----------------------|-----------------|
| <input type="radio"/> | Electromagnetic |
| <input type="radio"/> | Transverse      |
| <input type="radio"/> | Mechanical      |
| <input type="radio"/> | Longitudinal    |

Click to Save Answer & Move to Next



Question # 9 of 10 (start time: 06:44:14 PM, 07 January 2022)

To

For an object in equilibrium the net torque acting on it vanishes only if each torque is calculated about:

Select the correct option



the center of gravity



the same point



the center of mass



the geometrical center

[Click to Save Answer & Move to Next Q](#)



Question # 7 of 10 ( Start time: 06:40:07 PM, 07 January 2022 )

To

A source of frequency of 500 Hz emits waves of wavelength 0.4 m, how long does the wave take to travel 600 m?

Select the correct option

☐ 9 s☐ 6 s☐ 12 s☐ 3 s[Click to Save Answer & Move to Next Q](#)



Question # 6 of 10 ( Start time: 06:40:02 PM, 07 January 2022 )

The fundamental dimensions of angular momentum are

Select the correct option

- |                       |                 |
|-----------------------|-----------------|
| <input type="radio"/> | $ML^2T^{-1}$    |
| <input type="radio"/> | $ML^{-2}T^{-2}$ |
| <input type="radio"/> | $MLT^{-1}$      |
| <input type="radio"/> | $ML^2T^{-2}$    |

Click to Save Answer



BC200404616: MUHAMMAD WASEEM SHEHZAD

PHY101 – Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time:

Question # 5 of 10 ( Start time: 06:38:29 PM, 07 January 2022 )

If a gymnast sitting on a stool with his arms stretched lowers his arms

Select the correct option

- |                       |                             |
|-----------------------|-----------------------------|
| <input type="radio"/> | Remain same                 |
| <input type="radio"/> | The angular speed decreases |
| <input type="radio"/> | Become zero                 |
| <input type="radio"/> | The angular speed increases |

Click to Save Answer



Question # 4 of 10 ( Start time: 06:37:35 PM, 07 January 2022 )

A couple produces:

Select the correct option

|                       |                              |
|-----------------------|------------------------------|
| <input type="radio"/> | Linear and rotational motion |
| <input type="radio"/> | Purely linear motion         |
| <input type="radio"/> | Purely rotational motion     |
| <input type="radio"/> | No motion                    |

Click to Save



In simple harmonic motion, the magnitude of the acceleration is

**Select the correct option**



Inversely proportional to the displacement



constant



greatest when the velocity is greatest



proportional to the displacement

Click to Save Answer





Question # 5 of 10 ( Start time: 06:36:28 PM, 07 January 2022 )

For a body to be in equilibrium under the combined action of several forces:

Select the correct option



all of the forces form pairs of equal and opposite forces



all the forces must be applied at the same point



the sum of the components of all the forces in any direction must equal zero



any two of these forces must be balanced by a third force

Click to Save Answer & Move to Next



vulms.vu.edu.pk/Quiz/Q

8



Question # 5 of 10 ( Start time: 06:36:21 PM, 07 January 2022 )

If force is applied at center of mass then torque is

Select the correct option



zero



infinity



1



maximum

Click to Save Answer &



## PHY101 - Physics (2nd online quiz of Physics (PHY101))

Question # 3 of 10 ( Start time: 06:36:21 PM, 07 January 2022 )

The goal of all scientific inquiry (or scientific method) is:

Select the correct option

- |                       |                                                   |
|-----------------------|---------------------------------------------------|
| <input type="radio"/> | world dominion                                    |
| <input type="radio"/> | world peace                                       |
| <input type="radio"/> | to make everyone rich and happy                   |
| <input type="radio"/> | predicting natural events based on known patterns |



## PHY101 - Physics (2nd online quiz of Physics (PHY101))

Question # 2 of 10 ( Start time: 06:35:21 PM, 07 January 2022 )

Stress is proportional to strain called:

Select the correct option

- |                       |              |
|-----------------------|--------------|
| <input type="radio"/> | Young's law  |
| <input type="radio"/> | Newton's law |
| <input type="radio"/> | Pascal's law |
| <input type="radio"/> | Hook's law   |

Click



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Edit



A fire whistle emits a tone of 170 Hz. Take the speed of sound in air to be 340m/s. The wavelength of this sound is about:

Select the correct option



1.0m



0.5m



3.0m



2.0m

Click to Save Answer & Move to Next



vulms.vu.edu.pk/Quiz/Q

8



BC210421043: ADNAN ALI

Time Left 88  
SEC(S)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 06:31 PM, 07 January 2022

Question # 3 of 10 ( Start time: 06:33:52 PM, 07 January 2022 )

Total Marks: 1

A municipal water supply is provided by a tall water tower. Water from this tower flows to a building. How does the water flow out of a faucet on the ground floor of a building compare with the water flow out of an identical faucet on the second floor of the building?

Select the correct option



Water flows more rapidly out of the ground-floor faucet.



Water flows more rapidly out of the second-floor faucet.



Water flows at the same speed out of both faucets.



The speed of the water flow cannot be determined unless the height of the water tower is known.

Click to Save Answer &amp; Move to Next Question



# Quiz

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BC200414242: MEHWISH ABBAS

Time Left 84 sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 06:23 PM, 07 January 2022

Question # 9 of 10 (Start time: 06:34:39 PM, 07 January 2022)

Total Marks: 1

Force is a:

Select the correct option



Derived quantity



Base quantity

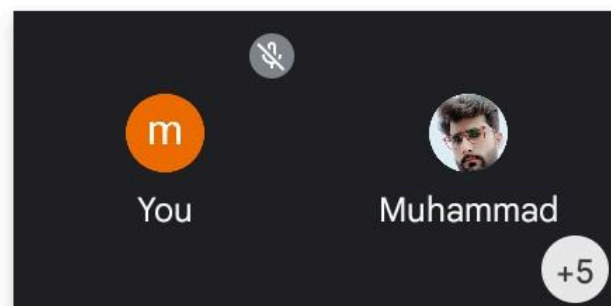


Scalar quantity



Universal quantity

Click to Save Answer &amp; Move to Next Question







## Quiz

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Question #1 of 10 ( Start time: 06:34:38 PM, 07 January 2022 )

The unit of intensity of sound is:

Select the correct option

- |                       |         |
|-----------------------|---------|
| <input type="radio"/> | Kelvin  |
| <input type="radio"/> | Meter   |
| <input type="radio"/> | Decibel |
| <input type="radio"/> | Candela |

Click to Save Answer



Question # 3 of 10 ( Start time: 06:32:41 PM, 07 January 2022 )

Ti

The law of conservation of momentum applies to a system of colliding objects only if:

**Select the correct option**

the net external impulse is zero



the coefficient of restitution is zero



the coefficient of restitution is one



there is no change in kinetic energy of the system

[Click to Save Answer & Move to Next Q](#)



# Quiz

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BC200414242: MEHWISH ABBAS

Time Left 86 sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 06:23 PM, 07 January 2022

Question # 6 of 10 (Start time: 06:30:07 PM, 07 January 2022)

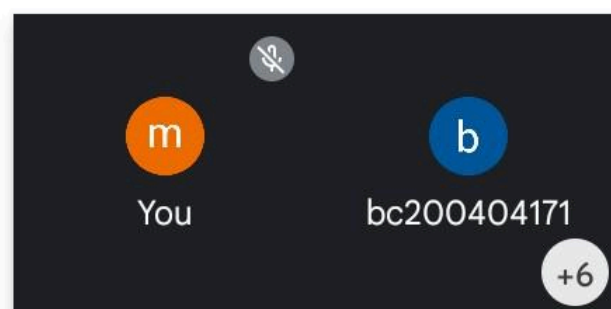
Total Mark

Ali wants to lift a mass of 7.5 kg with constant velocity by a rope that passes through a frictionless pulley which is attached to the ceiling of room. Calculate the tension in the rope by neglecting the mass of the rope.

Select the correct option

- |                       |        |
|-----------------------|--------|
| <input type="radio"/> | 75 Kg  |
| <input type="radio"/> | 75 N   |
| <input type="radio"/> | 0.75 N |
| <input type="radio"/> | 7.5 Kg |

Click to Save Answer &amp; Move to Next Question





# Quiz

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BC200414242 MEHWISH ABBAS

**Time Left** 86  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 06:23 PM, 07 January 2022

Question # 5 of 10 (start time: 06:28:10 PM, 07 January 2022)

Total Marks: 1

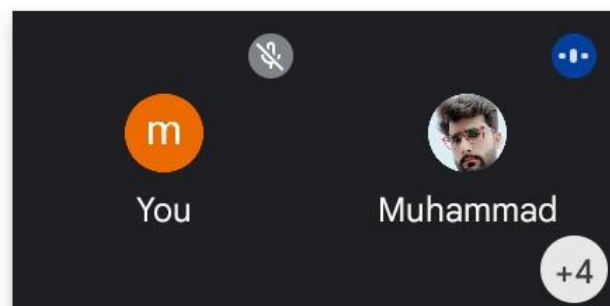
Which of the quantity is dimensionless?

Select the correct option

Reload Math Equations

- |                       |                       |
|-----------------------|-----------------------|
| <input type="radio"/> | Stress                |
| <input type="radio"/> | Modulus of elasticity |
| <input type="radio"/> | Strain                |
| <input type="radio"/> | Entropy               |

Click to Save Answer &amp; Move to Next Question





## Question # 2 of 10 ( Start time: 06:30:47 PM, 07 January 2022 )

A net torque applied to a rigid object always tends to produce:

## Select the correct option

- |                       |                        |
|-----------------------|------------------------|
| <input type="radio"/> | angular acceleration   |
| <input type="radio"/> | linear acceleration    |
| <input type="radio"/> | rotational inertia     |
| <input type="radio"/> | rotational equilibrium |

[Click to Save Answer & Move to Next Question](#)



# Quiz

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BC200414242: MEHWISH ABBAS

Time Left 86 sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 06:23 PM, 07 January 2022

Question # 6 of 10 (Start time: 06:30:07 PM, 07 January 2022)

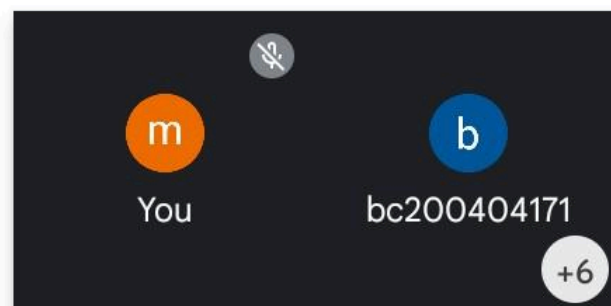
Total Mark

Ali wants to lift a mass of 7.5 kg with constant velocity by a rope that passes through a frictionless pulley which is attached to the ceiling of room. Calculate the tension in the rope by neglecting the mass of the rope.

Select the correct option

- |                       |        |
|-----------------------|--------|
| <input type="radio"/> | 75 Kg  |
| <input type="radio"/> | 75 N   |
| <input type="radio"/> | 0.75 N |
| <input type="radio"/> | 7.5 Kg |

Click to Save Answer &amp; Move to Next Question





Question # 1 of 10 ( Start time: 06:29:05 PM, 07 January 2022 )

Let M denote the mass of Earth and let R denote its radius. The ratio  $g/G$  at Earth's surface is:

Select the correct option



$M/R^2$



$MR^2$



$M/R$



$R^2/M$

Click to Save Answer & Move to Next





## PHY101 – Physics (2nd online quiz of Physics (PHY101))

Total Questions :10

**Please read the following instructions carefully!**

1. Quiz will be based upon Multiple Choice Questions (MCQs).
2. You have to attempt the quiz online. You can start attempting the quiz any time within given date(s) of a particular subject by clicking the link for Quiz in VULMS.
3. Each question has a fixed time of 90 seconds. So you have to save your answer before 90 seconds. But due to unstable internet speeds, it is recommended that you should save your answer within 60 seconds. While attempting a question, keep an eye on the remaining time.
4. Attempting quiz is unidirectional. Once you move forward to the next question, you can not go back to the previous one. Therefore before moving to the next question, make sure that you have selected the best option.
5. **DO NOT** press **Back Button / Backspace Button** while attempting a question, otherwise you will lose that question.
6. **DO NOT** refresh the page unnecessarily, **specially** when following messages appear
  - Saving...
  - Question Timeout: Now loading next question...
7. **Javascript MUST be enabled** in your browser; otherwise you will not be able to attempt the quiz.
8. If for any reason, you lose access to internet (like power failure or disconnection of internet), you will be able to attempt the quiz again from the question next to the last shown question. But remember that you have to complete the quiz before expiry of the deadline.
9. If any student failed to attempt the quiz in given time then no re-take or offline quiz will be held.

**Important Announcement**

1. It has come to the University's knowledge that some students are using unfair means while attempting their Mid-Term quiz.
2. The University is monitoring & analyzing the quiz attempts and if a student is found involved in using unfair means, i.e., helping tools/software, Web Extension, Add-ons etc., an Unfair Means Case (UMC) will be made against such student(s) including cancellation of their Mid-Term quiz.

[Start Quiz](#)



# Quiz

vulms.vu.edu.pk



BC200414242 MEHWISH ABBAS

**Time Left** 86  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 06:23 PM, 07 January 2022

Question # 5 of 10 (start time: 06:28:10 PM, 07 January 2022)

Total Marks: 1

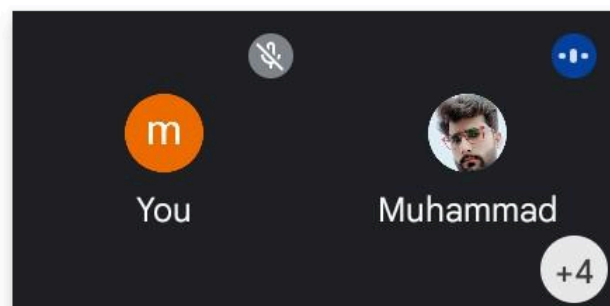
Which of the quantity is dimensionless?

Select the correct option

Reload Math Equations

- |                       |                       |
|-----------------------|-----------------------|
| <input type="radio"/> | Stress                |
| <input type="radio"/> | Modulus of elasticity |
| <input type="radio"/> | Strain                |
| <input type="radio"/> | Entropy               |

Click to Save Answer &amp; Move to Next Question





BC210405863: SHEHZAD AZIZ

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Question # 10 of 10 (Start time: 06:27:33 PM, 07 January 2022)

If the magnitude of force applied is increased, the work done will \_\_\_\_\_

Select the correct option

☐ become zero☐ be increased☐ have no change☐ be decreased

Type here to search





# Quiz

vulms.vu.edu.pk



BC200414242 MEHWISH ABBAS

**Time Left** 84  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 06:23 PM, 07 January 2022

Question # 2 of 10 ( Start time: 06:24:25 PM, 07 January 2022 )

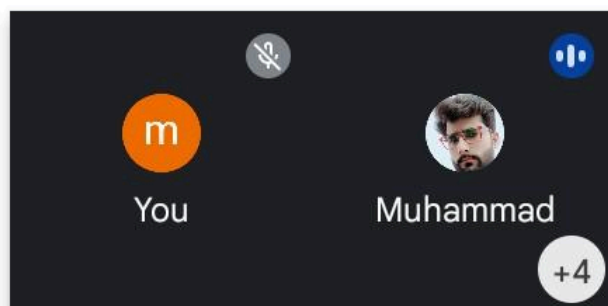
Total Marks: 1

A force of 100 N acts upon a body for five seconds. What will be the change in momentum?

Select the correct option

|                       |        |
|-----------------------|--------|
| <input type="radio"/> | 50 NS  |
| <input type="radio"/> | 20 NS  |
| <input type="radio"/> | 500 NS |
| <input type="radio"/> | 200 NS |

Click to Save Answer &amp; Move to Next Question





# Quiz

vulms.vu.edu.pk



BC200414242 MEHWISH ABBAS

**Time Left** 86  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 06:23 PM, 07 January 2022

Question # 3 of 10 (Start time: 06:25:20 PM, 07 January 2022)

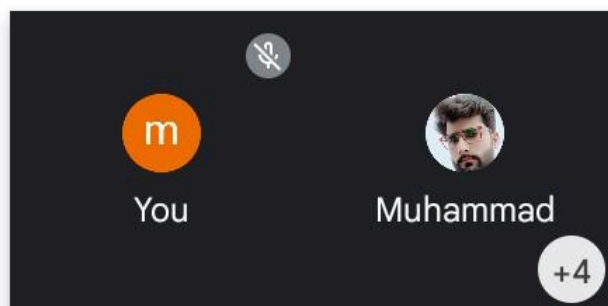
Total Marks: 1

A fire whistle emits a tone of 170 Hz. Take the speed of sound in air to be 340m/s. The wavelength of this sound is about:

Select the correct option

|                       |      |
|-----------------------|------|
| <input type="radio"/> | 3.0m |
| <input type="radio"/> | 0.5m |
| <input type="radio"/> | 2.0m |
| <input type="radio"/> | 1.0m |

Click to Save Answer &amp; Move to Next Question





# Quiz

vulms.vu.edu.pk



BC200414242 MEHWISH ABBAS

**Time Left** 88  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 06:23 PM, 07 January 2022

Question # 4 of 10 (Start time: 06:26:27 PM, 07 January 2022)

Total Marks: 1

In ..... object moves farther away from its original position if displaced slightly

Select the correct option



unstable equilibrium



rotational equilibrium



dynamic equilibrium



stable equilibrium

Click to Save Answer &amp; Move to Next Question

To return to your Meet call, open Gmail





# Quiz

vulms.vu.edu.pk



BC200414242 MEHWISH ABBAS

**Time Left** 88  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 06:23 PM, 07 January 2022

Question # 4 of 10 (Start time: 06:26:27 PM, 07 January 2022)

Total Marks: 1

In ..... object moves farther away from its original position if displaced slightly

Select the correct option



unstable equilibrium



rotational equilibrium



dynamic equilibrium



stable equilibrium

Click to Save Answer &amp; Move to Next Question

To return to your Meet call, open Gmail





BC210405863; SHEHZAD AZIZ

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Question # 9 of 10 (Start time: 06:26:09 PM, 07 January 2022)

Sound waves do not travel through

Select the correct option

☐

vacuum

☐

gases

☐

liquids

☐

solids



Type here to search





# Quiz

vulms.vu.edu.pk



BC200414242 MEHWISH ABBAS

**Time Left** 86  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 06:23 PM, 07 January 2022

Question # 3 of 10 ( Start time: 06:25:20 PM, 07 January 2022 )

Total Marks: 1

A fire whistle emits a tone of 170 Hz. Take the speed of sound in air to be 340m/s. The wavelength of this sound is about:

Select the correct option

|                       |      |
|-----------------------|------|
| <input type="radio"/> | 3.0m |
| <input type="radio"/> | 0.5m |
| <input type="radio"/> | 2.0m |
| <input type="radio"/> | 1.0m |

Click to Save Answer &amp; Move to Next Question



It is easier to walk on the concrete road than on ice because:

**Select the correct option**

- |                       |                                                                                           |
|-----------------------|-------------------------------------------------------------------------------------------|
| <input type="radio"/> | the friction between the ice and the feet is less than that between the concrete and feet |
| <input type="radio"/> | there is more friction on the ice than on concrete                                        |
| <input type="radio"/> | the amount of friction is same for both (ice & concrete road)                             |
| <input type="radio"/> | ice is soft and spongy where as concrete is hard                                          |



BC210405863: SHAHZAD AZIZ

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Question # 8 of 10 ( Start Time: 06:24:53 PM, 07 January 2022 )

Q. No. 1: The application/s of dimensional analysis is/are:

i) To convert a physical quantity from one system of units to another.

ii) To check the dimensional correctness of a given equation.

iii) Establish a relationship between different physical quantities in an equation.

Select the correct option

☐

ii &amp; iii only

☐

i, ii &amp; iii

☐

i &amp; iii only

☐

i only



Type here to search





# Quiz

vulms.vu.edu.pk



BC200414242 MEHWISH ABBAS

**Time Left** 84  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 06:23 PM, 07 January 2022

Question # 2 of 10 ( Start time: 06:24:25 PM, 07 January 2022 )

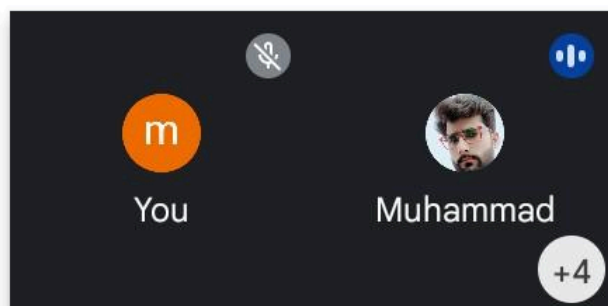
Total Marks: 1

A force of 100 N acts upon a body for five seconds. What will be the change in momentum?

Select the correct option

|                       |        |
|-----------------------|--------|
| <input type="radio"/> | 50 NS  |
| <input type="radio"/> | 20 NS  |
| <input type="radio"/> | 500 NS |
| <input type="radio"/> | 200 NS |

Click to Save Answer &amp; Move to Next Question







BC210405863: SHEHZAD AZIZ

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Question # 7 of 10 (Start time: 06:23:44 PM, 07 January 2022)

Young's modulus is a proportionality constant that relates the force per unit area applied perpendicularly at the surface of an object to:

Select the correct option

☐

the shear

☐

the fractional change in length

☐

the pressure

☐

the fractional change in volume



Type here to search





Earth exerts a gravitational force on the Moon, keeping it in its orbit. The reaction to this force, in the sense of Newton's third law, is:

Select the correct option



the centripetal force on the Moon



the nearly circular orbit of the Moon



the gravitational force on Earth by the Moon



the tides due to the Moon

Click to Save Answer & Move to Next Qu





BC200407478: IQRA RASOOL

Time Left 88  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 05:53 PM, 07 January 2022

Question # 10 of 10 ( start time: 06:18:36 PM, 07 January 2022 )

Total Marks: 1

Two sound waves are traveling through a container of unknown gas. Wave A has a wavelength of 1.2 m. Wave B has a wavelength of 3.6 m. The frequency of wave B must be \_\_\_\_\_ the frequency of wave A.

Select the correct option

- |                       |                         |
|-----------------------|-------------------------|
| <input type="radio"/> | Three times larger than |
| <input type="radio"/> | One-ninth               |
| <input type="radio"/> | One-third               |
| <input type="radio"/> | The same as             |

Click to Save Answer &amp; Move to Next Question



BC210405863: SHEHZAD AZIZ

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Question # 6 of 10 ( Start time: 06:22:58 PM, 07 January 2022 )

Example of physical quantity is:

Select the correct option

☐ Sound☐ Effect of music☐ Length☐ Colour

Type here to search





Senior V.U D

Anisha Han hamare b march mn hi hn

Vu Helping Group: +92 348 1800557 No

Question # 9 of 10 ( Start time: 06:06:31 PM, 07 January 2022 )

A water bed that is 1.5 m wide and 2.5 m long weighs 1055 N. Assuming the entire lower surface of the bed is in contact with the floor, the pressure the bed exerts on the floor?

Select the correct option

- |                       |        |
|-----------------------|--------|
| <input type="radio"/> | 250 Pa |
| <input type="radio"/> | 280 Pa |
| <input type="radio"/> | 260 Pa |
| <input type="radio"/> | 270 Pa |

Click to Save Answer &

BC200406940: ARSLAN AHMED

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Time Left: 85 sec

Quiz Start Time: 06:16 PM, 07 January 2022

Question # 6 of 10 (Start time: 06:21:57 PM, 07 January 2022)

Total Marks: 10

When number of bodies are such that they can exert force upon one another and no external agency exerts a force on them, they are said to form:

Select the correct option

- ☐ Non isolated system
- ☐ An isolated system
- ☐ Non-inertial frame of reference
- ☐ An inertial frame of reference



Type here to search



13°C Rain showers



02:1 pm  
05/01/2022

BC210405863: SHEHZAD AZIZ

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Question # 8 of 10 (Start time: 06:21:47 PM, 07 January 2022)

Young's modulus can be used to calculate the strain for a stress that is

Select the correct option

- ☐ just below the ultimate strength
- ☐ well above the yield strength
- ☐ just above the ultimate strength
- ☐ well below the yield strength

Type here to search





Question # 10 of 10 ( Start time: 06:08:30 PM, 07 January 2022 )

The slope of velocity time graph shows the:

Select the correct option

|                       |                                    |
|-----------------------|------------------------------------|
| <input type="radio"/> | Total distance covered by the body |
| <input type="radio"/> | Average acceleration of body       |
| <input type="radio"/> | Average force by acting on body    |
| <input type="radio"/> | Total work done on the body        |

BC2104050863: BHEDGZAD A232

PHY101 - Physics (2nd online quiz of Physics (PHY101))

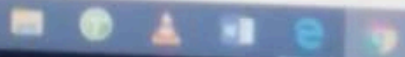
Question # 8 of 10 (Start time: 06:20:34 PM, 07 January 2022)

In each of the following two situations a source emits sound with a frequency of 1000 Hz. In situation 1 the source is moving at 330 m/s toward an observer who is stationary. The speed of sound is 340 m/s. The frequencies heard by the observers in the two situations are

Select the correct option

- ☐ 1. 1204 Hz; 9. 1204 Hz
- ☐ 2. 1417 Hz; 9. 1417 Hz
- ☐ 3. 1407 Hz; 9. 1204 Hz
- ☐ 4. 1132 Hz; 9. 1000 Hz

Type here to search







vulms.vu.edu.pk/Quiz/Q

8



BC200407478: IQRA RASOOL

Time Left 90 sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 05:53 PM, 07 January 2022

Question # 4 of 10 ( start time: 06:10:08 PM, 07 January 2022 )

Total Marks: 1

Which of the following will remain unchanged when a sound wave travels in air or in water?

Select the correct option

|                       |            |
|-----------------------|------------|
| <input type="radio"/> | Wavelength |
| <input type="radio"/> | Amplitude  |
| <input type="radio"/> | Frequency  |
| <input type="radio"/> | Speed      |

Click to Save Answer & Move to Next Question

Which of the following statements are TRUE of sound waves? Identify all that apply.

**Select the correct option**

|                       |                                                                                                    |
|-----------------------|----------------------------------------------------------------------------------------------------|
| <input type="radio"/> | A sound wave is a transverse wave                                                                  |
| <input type="radio"/> | Sound can travel through a vacuum                                                                  |
| <input type="radio"/> | A sound wave is a mechanical wave                                                                  |
| <input type="radio"/> | To hear the sound of a tuning fork, the tines of the fork must move air from the fork to one's ear |

Click



vulms.vu.edu.pk/Quiz/Q

8

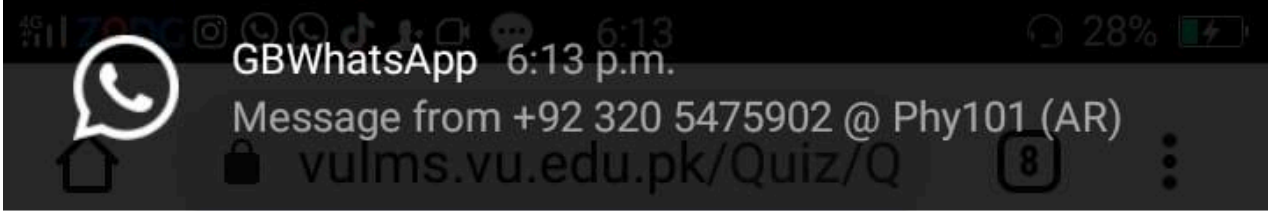


Question # 5 of 10 ( **Start time: 06:11:15 PM, 07 January 2022** )

Which of the following is not a characteristic of mechanical waves?

Select the correct option

|                       |                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------|
| <input type="radio"/> | They transport energy.                                                                     |
| <input type="radio"/> | They consist of disturbances or oscillations of a medium.                                  |
| <input type="radio"/> | They are created by a vibrating source.                                                    |
| <input type="radio"/> | They travel in a direction which is at right angles to the direction of the particles of t |



Question # 6 of 10 ( **Start time: 06:13:08 PM, 07 January 2022** )

The center of mass of the system consisting of Earth, the Sun, and the planet Mars is:

Select the correct option

- |                       |                                                                    |
|-----------------------|--------------------------------------------------------------------|
| <input type="radio"/> | closer to the Sun than to either of the other bodies               |
| <input type="radio"/> | at the geometric center of the triangle formed by the three bodies |
| <input type="radio"/> | closer to Mars than to either of the other bodies                  |
| <input type="radio"/> | closer to Earth than to either of the other bodies                 |

Click to Save Answer &

BC210405863: SHEHZAD AZIZ

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Question # 3 of 10 (Start time: 06:19:24 PM, 07 January 2022)

Per-second refers to the dimensions of physical quantity:

Select the correct option

- ☐ Angular displacement
- ☐ Angular acceleration
- ☐ Angular velocity
- ☐ Angular momentum



Type here to search



**The cochlea** converts pressure variations into electrical signals inside the inner ear.



<https://byjus.com> › question-answer



The vibrations or the pressure variations inside the inner ear are ...

BC210405863: SHEHZAD AZIZ

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Question # 2 of 10 ( Start time: 06:18:10 PM, 07 January 2022 )

A body is changing its direction but its speed is constant, the object is

Select the correct option

- |                       |              |
|-----------------------|--------------|
| <input type="radio"/> | speeding     |
| <input type="radio"/> | Displacing   |
| <input type="radio"/> | accelerating |
| <input type="radio"/> | slowing down |



Type here to search





← → ↻

https://www.blackboard.com/quiz/question.aspx?item=10727513-w163-44c7-a37b-8d89e12591e

🔍 ⚙️ 🏠 📌 🗑️

10727513: PHYS101-432

PH101 - Physics (2nd online quiz of Physics (PH101))

Quiz Start Time: 04:16 PM, 07 January 2022

Question # 2 of 10 (Start time: 04:16:30 PM, 07 January 2022)

Answered: 0/1

A body is changing its direction but its speed is constant. The object is

Answered: 0/1 correct option

☐ accelerating

☐ decelerating

☐ accelerating

☐ decelerating

Click on Submit Answer to Save your work

Type here to search

This PC

6:18 PM

01/07/2022





BC180203132: MUHAMMAD KHALIL

Time Left  
86  
min(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 05:57 PM, 07 January 2022

Question # 10 of 10 ( Start time: 06:14:22 PM, 07 January 2022 )

Total Marks: 1

Which of the following is not a characteristic of mechanical waves?

Select the correct option

- |                       |                                                                                                      |
|-----------------------|------------------------------------------------------------------------------------------------------|
| <input type="radio"/> | They consist of disturbances or oscillations of a medium.                                            |
| <input type="radio"/> | They transport energy.                                                                               |
| <input type="radio"/> | They are created by a vibrating source.                                                              |
| <input type="radio"/> | They travel in a direction which is at right angles to the direction of the particles of the medium. |

Click to Save Answer &amp; Move to Next Question



BC190406673: MUHAMMAD KHIZAR

Time Left 86  
00:00(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 06:03 PM, 07 January 2022

Question #10 of 10 (Start time: 06:16:39 PM, 07 January 2022)

Total Marks: 1

The flow rate of blood through the average human aorta is about  $9.0 \times 10^3 \text{ cm}^3/\text{s}$ . If the aorta has a radius of 1.0 cm, what is the velocity of the blood flow?

Select the correct option

- |                       |         |
|-----------------------|---------|
| <input type="radio"/> | 37 cm/s |
| <input type="radio"/> | 32 cm/s |
| <input type="radio"/> | 14 cm/s |
| <input type="radio"/> | 29 cm/s |

Click to Save Answer &amp; Move to Next Question



Which of the following statements about floating objects is correct?

**Select the correct option**



The displaced volume of fluid is greater than the volume of the object.



The object's density is equal to the density of the fluid on which it floats.



The object's density is greater than the density of the fluid on which it floats.



The buoyant force equals the object's weight.

Click to Save



## Question # 1 of 10 ( Start time: 05:02:58 PM, 07 January 2022 )

Add two vectors of length 4 m & 5 m but their orientation is not known. The length after addition of these two vectors will be:

## Select the correct option



between 9 m and 5



Less than 1 m



between 9 m and 1 m



9 m

[Click to Save Answer & Move to Next](#)



BC190406673: MUHAMMAD KHIZAR

Time Left 87  
00:00(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 06:03 PM, 07 January 2022

Question # 9 of 10 (Start time: 06:15:02 PM, 07 January 2022)

Total Marks: 1

The fundamental dimensions of angular momentum are

Select the correct option

|                       |                                |
|-----------------------|--------------------------------|
| <input type="radio"/> | M <sub>2</sub> T <sup>-1</sup> |
| <input type="radio"/> | M <sub>2</sub> T <sup>-2</sup> |
| <input type="radio"/> | M <sub>2</sub> T <sup>-1</sup> |
| <input type="radio"/> | M <sub>2</sub> T <sup>-2</sup> |

Click to Save Answer &amp; Move to Next Question



Young's modulus is a proportionality constant that relates the force per unit area applied perpendicularly at the surface of an object to:

▶ Select the correct option

- |                       |                                 |
|-----------------------|---------------------------------|
| <input type="radio"/> | the fractional change in length |
| <input type="radio"/> | the shear                       |
| <input type="radio"/> | the fractional change in volume |
| <input type="radio"/> | the pressure                    |

Click to Save Answer & Move to Next





**Question # 9 of 10 ( Start time: 05:07:26 PM, 07 January 2022 )**

Point where force causes system to move without rotation is

**Select the correct option**

|                       |                               |
|-----------------------|-------------------------------|
| <input type="radio"/> | edge of the body              |
| <input type="radio"/> | 2 times beyond centre of mass |
| <input type="radio"/> | mid point of body             |
| <input type="radio"/> | center of mass                |





BC190406673: MUHAMMAD KHIZAR

Time Left 85  
00:00(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 06:03 PM, 07 January 2022

Question # 8 of 10 (Start time: 06:13:22 PM, 07 January 2022)

Total Marks: 1

An inelastic collision is one in which:

Select the correct option

- |                       |                                                           |
|-----------------------|-----------------------------------------------------------|
| <input type="radio"/> | momentum is conserved but kinetic energy is not conserved |
| <input type="radio"/> | total mass is not conserved but momentum is conserved     |
| <input type="radio"/> | momentum is not conserved but kinetic energy is conserved |
| <input type="radio"/> | neither kinetic energy nor momentum is conserved          |

Click to Save Answer &amp; Move to Next Question

**Question # 10 of 10 ( Start time: 05:08:26 PM, 07 January 2022 )**

The product of force and time is called change in:

Select the correct option

|                       |              |
|-----------------------|--------------|
| <input type="radio"/> | Torque       |
| <input type="radio"/> | Impulse      |
| <input type="radio"/> | Acceleration |
| <input type="radio"/> | Force        |







BC210405875: MUHAMMAD RIZWAN

Time Left 88 sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 05:10 PM, 07 January 2022

Question # 1 of 10 (start time: 05:10:15 PM, 07 January 2022)

Total Marks: 1

A radian is about:

Select the correct option

|                       |     |
|-----------------------|-----|
| <input type="radio"/> | 37° |
| <input type="radio"/> | 45° |
| <input type="radio"/> | 57° |
| <input type="radio"/> | 25° |

Click to Save Answer &amp; Move to Next Question



BC210405875: MUHAMMAD RIZWAN

Time Left 90  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 05:10 PM, 07 January 2022

Question # 2 of 10 ( start time: 05:10:53 PM, 07 January 2022 )

Total Marks: 1

The area under the curve of force-displacement graph represents:

Select the correct option

|                       |              |
|-----------------------|--------------|
| <input type="radio"/> | Displacement |
| <input type="radio"/> | Work         |
| <input type="radio"/> | Force        |
| <input type="radio"/> | Power        |

Click to Save Answer &amp; Move to Next Question



BC210405875: MUHAMMAD RIZWAN

Time Left 86  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 05:10 PM, 07 January 2022

Question # 3 of 10 ( start time: 05:11:47 PM, 07 January 2022 )

Total Marks: 1

The dimensional units of ratio of work and power is:

Select the correct option

|                       |   |
|-----------------------|---|
| <input type="radio"/> | T |
| <input type="radio"/> | L |
| <input type="radio"/> | J |
| <input type="radio"/> | F |

Click to Save Answer &amp; Move to Next Question



BC190406673: MUHAMMAD KHIZAR

Time Left 86  
00(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 06:03 PM, 07 January 2022

Question # 7 of 10 (Start time: 06:11:50 PM, 07 January 2022)

Total Marks: 1

A particle oscillating in simple harmonic motion is:

Select the correct option

- ☐ in equilibrium at the ends of its path because its velocity is zero there
- ☐ in equilibrium at the ends of its path because its velocity is zero there
- ☐ never in equilibrium because it is in motion
- ☐ in equilibrium at the center of its path because the acceleration is zero there
- ☐ never in equilibrium because there is always a force

Click to Save Answer &amp; Move to Next Question





BC190406673: MUHAMMAD KHIZAR

Time Left 88  
00:00(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 06:03 PM, 07 January 2022

Question # 6 of 10 (start time: 06:10:25 PM, 07 January 2022)

Total Marks: 1

The vibrations or the pressure variations inside the inner ear are converted into electrical signals by the\_\_\_\_\_.

Select the correct option

|                       |                   |
|-----------------------|-------------------|
| <input type="radio"/> | cochlea           |
| <input type="radio"/> | anvil             |
| <input type="radio"/> | pinna             |
| <input type="radio"/> | tympanic membrane |

Click to Save Answer &amp; Move to Next Question



BC190406673: MUHAMMAD KHIZAR

Time Left 87  
00:00(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 06:03 PM, 07 January 2022

Question # 5 of 10 (Start time: 06:09:26 PM, 07 January 2022)

Total Marks: 1

Earth exerts a gravitational force on the Moon, keeping it in its orbit. The reaction to this force, in the sense of Newton's third law, is:

Select the correct option

- |                       |                                              |
|-----------------------|----------------------------------------------|
| <input type="radio"/> | the nearly circular orbit of the Moon        |
| <input type="radio"/> | the tides due to the Moon                    |
| <input type="radio"/> | the centripetal force on the Moon            |
| <input type="radio"/> | the gravitational force on Earth by the Moon |

[Click to Save Answer & Move to Next Question](#)



BC210405875: MUHAMMAD RIZWAN

Time Left 88  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 05:10 PM, 07 January 2022

Question # 4 of 10 (Start time: 05:13:00 PM, 07 January 2022)

Total Marks: 1

An object moving in a circle at constant speed.

Select the correct option

- |                       |                                           |
|-----------------------|-------------------------------------------|
| <input type="radio"/> | has no change in its direction            |
| <input type="radio"/> | has an acceleration of constant magnitude |
| <input type="radio"/> | must have only one force acting on it     |
| <input type="radio"/> | is not accelerating                       |

Click to Save Answer &amp; Move to Next Question



BC210405875: MUHAMMAD RIZWAN

Time Left 88  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 05:10 PM, 07 January 2022

Question # 5 of 10 ( start time: 05:14:15 PM, 07 January 2022 )

Total Marks: 1

When a wave travels through a medium

Select the correct option

- |                       |                                                     |
|-----------------------|-----------------------------------------------------|
| <input type="radio"/> | energy is transferred in a periodic manner          |
| <input type="radio"/> | energy is transferred at a constant speed           |
| <input type="radio"/> | particles are transferred from one place to another |
| <input type="radio"/> | none of the above statements is applicable          |

Click to Save Answer &amp; Move to Next Question



BC190406673: MUHAMMAD KHIZAR

Time Left 85  
00:00(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 06:03 PM, 07 January 2022

Question # 4 of 10 (Start time: 06:07:30 PM, 07 January 2022)

Total Marks: 1

Stress is defined in terms of:

Select the correct option

Reveal Math Equations

- |                       |               |
|-----------------------|---------------|
| <input type="radio"/> | Newtons       |
| <input type="radio"/> | Applied force |
| <input type="radio"/> | Deformation   |
| <input type="radio"/> | Formation     |

Click to Save Answer &amp; Move to Next Question



BC190406673: MUHAMMAD KHIZAR

Time Left 53  
00(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 06:03 PM, 07 January 2022

Question # 3 of 10 ( Start time: 06:06:03 PM, 07 January 2022)

Total Marks: 1

We will apply the condition of equilibrium to situations in which all forces are:

Select the correct option

Rebad Math Equations

- |                       |               |
|-----------------------|---------------|
| <input type="radio"/> | Straight line |
| <input type="radio"/> | Upward        |
| <input type="radio"/> | Downward      |
| <input type="radio"/> | Coplanar      |

Click to Save Answer &amp; Move to Next Question



BC190406673: MUHAMMAD KHIZAR

Time Left 89  
00:00(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 06:03 PM, 07 January 2022

Question # 3 of 10 ( Start time: 06:06:03 PM, 07 January 2022 )

Total Marks: 1

We will apply the condition of equilibrium to situations in which all forces are:

Select the correct option

Rebad Math Equations

- |                       |               |
|-----------------------|---------------|
| <input type="radio"/> | Straight line |
| <input type="radio"/> | Upward        |
| <input type="radio"/> | Downward      |
| <input type="radio"/> | Coplanar      |

Click to Save Answer &amp; Move to Next Question





BC210405875: MUHAMMAD RIZWAN

Time Left 87 sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 05:10 PM, 07 January 2022

Question # 6 of 10 ( start time: 05:15:52 PM, 07 January 2022 )

Total Marks: 1

How much pressure is exerted on a submarine at a depth of 8.50 km in the Pacific Ocean? (The density of sea water =  $1.025 \times 10^3 \text{ kg/m}^3$ , and the atmospheric pressure at sea level =  $1.01 \times 10^5 \text{ Pa}$ .)

Select the correct option

|                       |                              |
|-----------------------|------------------------------|
| <input type="radio"/> | $8.6 \times 10^6 \text{ Pa}$ |
| <input type="radio"/> | $8.7 \times 10^6 \text{ Pa}$ |
| <input type="radio"/> | $9.5 \times 10^6 \text{ Pa}$ |
| <input type="radio"/> | $8.6 \times 10^5 \text{ Pa}$ |

Click to Save Answer &amp; Move to Next Question



BC210405875: MUHAMMAD RIZWAN

Time Left 88  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 05:10 PM, 07 January 2022

Question # 7 of 10 ( start time: 05:16:51 PM, 07 January 2022 )

Total Marks: 1

If the distance between all pairs of particles of the body do not change by applying a force then the body is said to be

Select the correct option

|                       |          |
|-----------------------|----------|
| <input type="radio"/> | large    |
| <input type="radio"/> | small    |
| <input type="radio"/> | flexible |
| <input type="radio"/> | rigid    |

Click to Save Answer &amp; Move to Next Question



BC210405875: MUHAMMAD RIZWAN

Time Left

88  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 05:10 PM, 07 January 2022

Question # 8 of 10 ( start time: 05:17:32 PM, 07 January 2022 )

Total Marks: 1

If the force acting on a body is doubled then the acceleration becomes:

Select the correct option

|                       |            |
|-----------------------|------------|
| <input type="radio"/> | Double     |
| <input type="radio"/> | Half       |
| <input type="radio"/> | Constant   |
| <input type="radio"/> | One fourth |

Click to Save Answer &amp; Move to Next Question



BC190406673: MUHAMMAD KHIZAR

Time Left 87  
00:00(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 06:03 PM, 07 January 2022

Question # 2 of 10 (Start time: 06:04:42 PM, 07 January 2022)

Total Marks: 1

A municipal water supply is provided by a tall water tower. Water from this tower flows to a building. How does the water flow out of a faucet on the ground floor of a building compare with the water flow out of an identical faucet on the second floor of the building?

Select the correct option

- |                       |                                                                                                 |
|-----------------------|-------------------------------------------------------------------------------------------------|
| <input type="radio"/> | Water flows more rapidly out of the second-floor faucet.                                        |
| <input type="radio"/> | Water flows at the same speed out of both faucets.                                              |
| <input type="radio"/> | The speed of the water flow cannot be determined unless the height of the water tower is known. |
| <input type="radio"/> | Water flows more rapidly out of the ground-floor faucet.                                        |

[Click to Save Answer & Move to Next Question](#)



BC210405875: MUHAMMAD RIZWAN

Time Left

89

sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 05:10 PM, 07 January 2022

Question # 9 of 10 ( start time: 05:18:13 PM, 07 January 2022 )

Total Marks: 1

The scalar product of two vectors is maximum when they are:

Select the correct option

|                       |               |
|-----------------------|---------------|
| <input type="radio"/> | Parallel      |
| <input type="radio"/> | Perpendicular |
| <input type="radio"/> | Null          |
| <input type="radio"/> | Anti-parallel |

Click to Save Answer &amp; Move to Next Question



BC210405875: MUHAMMAD RIZWAN

Time Left 89  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 05:10 PM, 07 January 2022

Question # 10 of 10 ( start time: 05:19:26 PM, 07 January 2022 )

Total Marks: 1

An ultrasonic wave is sent from a ship towards the bottom of the sea. It is found that the time interval between the sending and receiving of the wave is 1.6 s. What is the depth of the sea, if the velocity of sound in the seawater is 1400 m/s?

Select the correct option

|                       |        |
|-----------------------|--------|
| <input type="radio"/> | 112 m  |
| <input type="radio"/> | 1120 m |
| <input type="radio"/> | 560 m  |
| <input type="radio"/> | 1400 m |

Click to Save Answer &amp; Move to Next Question



BC210410082: MANZOOR HUSSAIN

Time Left 83  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 05:20 PM, 07 January 2022

Question # 1 of 10 ( start time: 05:20:36 PM, 07 January 2022 )

Total Marks: 1

The momentum of an object at a given instant is independent of its:

Select the correct option

|                       |              |
|-----------------------|--------------|
| <input type="radio"/> | velocity     |
| <input type="radio"/> | acceleration |
| <input type="radio"/> | speed        |
| <input type="radio"/> | mass         |

Click to Save Answer &amp; Move to Next Question







BC190406673: MUHAMMAD KHIZAR

Time Left 89  
00:00(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 06:03 PM, 07 January 2022

Question #1 of 10 (start time: 06:03:21 PM, 07 January 2022)

Total Marks: 1

A qualitative definition of force is given by which law?

Select the correct option

- |                       |                               |
|-----------------------|-------------------------------|
| <input type="radio"/> | law of inertia                |
| <input type="radio"/> | Newton's second law of motion |
| <input type="radio"/> | Newton's law of gravitation   |
| <input type="radio"/> | Newton's third law of motion  |

Click to Save Answer &amp; Move to Next Question



Quiz



BC210400660: RIMSHA SHAKEEL

Time Left

89

SEC(S)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 04:30 PM, 06 January 2022

Question # 2 of 10 ( Start time: 05:22:17 PM, 07 January 2022 )

Total Marks: 1

An object moves in a circle at constant speed. The work done by the centripetal force is zero because:

Select the correct option

|  |                                                        |
|--|--------------------------------------------------------|
|  | the average force for each revolution is zero          |
|  | the displacement for each revolution is zero           |
|  | the centripetal force is perpendicular to the velocity |
|  | there is no friction                                   |

Click to Save Answer &amp; Move to Next Question



You



Muhammad

+10





Quiz



BC210400660: RIMSHA SHAKEEL

Time Left

90

SEC(S)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 04:30 PM, 06 January 2022

Question # 3 of 10 ( Start time: 05:22:57 PM, 07 January 2022 )

Total Marks: 1

A particle, held by a string whose other end is attached to a fixed point C, moves in a circle on a horizontal frictionless surface. If the string is cut, the angular momentum of the particle about the point C:

Select the correct option

|                       |                                     |
|-----------------------|-------------------------------------|
| <input type="radio"/> | Decreases                           |
| <input type="radio"/> | Increases                           |
| <input type="radio"/> | Does not change                     |
| <input type="radio"/> | Changes direction but not magnitude |

Click to Save Answer & Move to Next Question

To return to your Meet call, open Gmail





Quiz



BC210400660: RIMSHA SHAKEEL

Time Left

90

sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 04:30 PM, 06 January 2022

Question # 4 of 10 ( Start time: 05:23:36 PM, 07 January 2022 )

Total Marks: 1

Per-second refers to the dimensions of physical quantity:

Select the correct option

|                       |             |
|-----------------------|-------------|
| <input type="radio"/> | Frequency   |
| <input type="radio"/> | Velocity    |
| <input type="radio"/> | Time period |
| <input type="radio"/> | Force       |

Click to Save Answer &amp; Move to Next Question





Two sound waves are traveling through a container of unknown gas. Wave A has a wavelength of 1.2 m. Wave B has a wavelength of 3.6 m. The frequency of wave B must be \_\_\_\_\_ the frequency of wave A.

Select the correct option

- |                       |                         |
|-----------------------|-------------------------|
| <input type="radio"/> | One-third               |
| <input type="radio"/> | One-ninth               |
| <input type="radio"/> | Three times larger than |
| <input type="radio"/> | The same as             |

Click to Save Answer & Move to Next Question



Question # 4 of 10 ( Start time: 05:40:55 PM, 07 January 2022 )

If the speed of sound is 340m/s a plane flying at 400m/s creates a conical shock wave with an apex half angle of:

Select the correct option

|                       |                   |
|-----------------------|-------------------|
| <input type="radio"/> | 58°               |
| <input type="radio"/> | 32°               |
| <input type="radio"/> | 40°               |
| <input type="radio"/> | 0 (no shock wave) |

Click to Save Answer & Move to 1



KE can be defined as the dot product of:

**select the correct option**



Mass and velocity



Average momentum and velocity



Force and velocity



Momentum and force

Click to Save Answer & Move to Next Que



Question # 5 of 10 ( Start time: 05:42:23 PM, 07 January 2022 )

0.0003711 in scientific notation is

Select the correct option

 $3.7 \times 10^{-4}$  $3.7 \times 10^{-5}$  $3.7 \times 10^{-3}$  $3.7 \times 10^{-1}$ [Click to Save Answer 5](#)



Two skaters toss a basketball back and forth on frictionless ice. Which of the following does not change?

Select the correct option

|                       |                                                                          |
|-----------------------|--------------------------------------------------------------------------|
| <input type="radio"/> | the momentum of the basketball;                                          |
| <input type="radio"/> | the momentum of the system consisting of both skaters and the basketball |
| <input type="radio"/> | the momentum of the system consisting of one skater and the basketball;  |
| <input type="radio"/> | the momentum of an individual skater;                                    |

Click to Save Answer & Move to Next Question

## PHY101 – Physics (2nd online quiz of Physics (PHY101))

Total Questions :10

## Please read the following instructions carefully!

1. Quiz will be based upon Multiple Choice Questions (MCQs).
2. You have to attempt the quiz online. You can start attempting the quiz any time within given date(s) of a particular subject by clicking the link for Quiz in VULMS.
3. Each question has a fixed time of 90 seconds. So you have to save your answer before 90 seconds. But due to unstable internet speeds, it is recommended that you should save your answer within 60 seconds. While attempting a question, keep an eye on the remaining time.
4. Attempting quiz is unidirectional. Once you move forward to the next question, you can not go back to the previous one. Therefore before moving to the next question, make sure that you have selected the best option.
5. **DO NOT** press **Back Button / Backspace Button** while attempting a question, otherwise you will lose that question.
6. **DO NOT** refresh the page unnecessarily, **specially** when following messages appear:
  - Saving...
  - Question Timeout: Now loading next question...
7. **Javascript MUST be enabled** in your browser; otherwise you will not be able to attempt the quiz.
8. If for any reason, you lose access to internet (like power failure or disconnection of internet), you will be able to attempt the quiz again from the question next to the last shown question. But remember that you have to complete the quiz before expiry of the deadline.
9. If any student failed to attempt the quiz in given time then no re-take or offline quiz will be held.

## Important Announcement

1. It has come to the University's knowledge that some students are using unfair means while attempting their Mid-Term quiz.
2. The University is monitoring & analyzing the quiz attempts and if a student is found involved in using unfair means, i.e., helping tools/software, Web extension, Add-ons etc., an Unfair Means Case (UMC) will be made against such student(s) including cancellation of their Mid-Term quiz.

Start Quiz



Question # 6 of 10 ( Start time: 05:47:30 PM, 07 January 2022 )

Total Marks: 1

Which of the following statement is true?

Select the correct option

|                       |                                                      |
|-----------------------|------------------------------------------------------|
| <input type="radio"/> | Gravity is necessary to measure both weight and mass |
| <input type="radio"/> | Weight is a force, mass is a measure of inertia      |
| <input type="radio"/> | Mass depends on gravity, weight does not             |
| <input type="radio"/> | Heavier objects weigh more than light objects        |

Click to Save Answer & Move to Next Question

<https://vulms.vu.edu.pk/Quiz>

2



BC200407478: IQRA RASOOL

Time Left 89  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 05:53 PM, 07 January 2022

Question # 1 of 10 (start time: 05:53:05 PM, 07 January 2022)

Total Marks: 1

Which of the following cases is/are NOT a uniformly accelerated motion?

i. A feather falls from a certain height inside a vacuum tube.

ii. A ball rolls along a frictionless plane at uniform speed.

iii. A coin falls from a certain height in air but air resistance is negligible.

Select the correct option

|                       |                     |
|-----------------------|---------------------|
| <input type="radio"/> | (ii) and (iii) only |
| <input type="radio"/> | (i) and (ii) only   |
| <input type="radio"/> | (i) only            |
| <input type="radio"/> | (ii) only           |

Click to Save Answer &amp; Move to Next Question





BC210410082: MANZOOR HUSSAIN

Time Left 89  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 05:20 PM, 07 January 2022

Question # 3 of 10 ( start time: 05:23:07 PM, 07 January 2022 )

Total Marks: 1

back and forth in a leftward and rightward direction. This type of wave is known as a \_\_\_\_\_.

Select the correct option

|                       |                 |
|-----------------------|-----------------|
| <input type="radio"/> | Mechanical      |
| <input type="radio"/> | Electromagnetic |
| <input type="radio"/> | Transverse      |
| <input type="radio"/> | Longitudinal    |

Click to Save Answer &amp; Move to Next Question



Quiz



BC210400660: RIMSHA SHAKEEL

Time Left

90

sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 04:30 PM, 06 January 2022

Question # 5 of 10 ( Start time: 05:24:01 PM, 07 January 2022 )

Total Marks: 1

A glass of water is placed on a sheet of paper. Quickly drag the sheet of paper from under the glass of water without spilling the water is due to:

Select the correct option

|                       |                                          |
|-----------------------|------------------------------------------|
| <input type="radio"/> | acceleration                             |
| <input type="radio"/> | lack of friction between paper and glass |
| <input type="radio"/> | inertia                                  |
| <input type="radio"/> | Newton's third law of motion             |

Click to Save Answer &amp; Move to Next Question





Quiz



BC210400660: RIMSHA SHAKEEL

Time Left 89  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 04:30 PM, 06 January 2022

Question # 6 of 10 ( Start time: 05:24:55 PM, 07 January 2022 )

Total Marks: 1

The physical quantity, which oscillates in most waves, is

Select the correct option

|                       |            |
|-----------------------|------------|
| <input type="radio"/> | mass       |
| <input type="radio"/> | energy     |
| <input type="radio"/> | wavelength |
| <input type="radio"/> | amplitude  |

Click to Save Answer &amp; Move to Next Question





Quiz



BC210400660: RIMSHA SHAKEEL

Time Left

90  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 04:30 PM, 06 January 2022

Question # 7 of 10 ( Start time: 05:26:26 PM, 07 January 2022 )

Total Marks: 1

A wheel of radius 50 cm having the angular speed of 5 rad/s will have linear speed in m/s?

Select the correct option

|                       |     |
|-----------------------|-----|
| <input type="radio"/> | 0.5 |
| <input type="radio"/> | 1.5 |
| <input type="radio"/> | 2.5 |
| <input type="radio"/> | 3.5 |

Click to Save Answer &amp; Move to Next Question







BC210410082: MANZOOR HUSSAIN

Time Left

75

sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 05:20 PM, 07 January 2022

Question # 4 of 10 ( start time: 05:23:47 PM, 07 January 2022 )

Total Marks: 1

The vibrations or the pressure variations inside the inner ear are converted into electrical signals by the\_\_\_\_\_.

Select the correct option

- |                       |                   |
|-----------------------|-------------------|
| <input type="radio"/> | pinna             |
| <input type="radio"/> | anvil             |
| <input type="radio"/> | tympanic membrane |
| <input type="radio"/> | cochlea           |

Click to Save Answer &amp; Move to Next Question



Quiz



BC210400660: RIMSHA SHAKEEL

Time Left

90

sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 04:30 PM, 06 January 2022

Question # 8 of 10 ( Start time: 05:27:10 PM, 07 January 2022 )

Total Marks: 1

Two sound waves are traveling through a container of unknown gas. Wave A has a wavelength of 1.2 m. Wave B has a wavelength of 3.6 m. The frequency of wave B must be \_\_\_\_\_ the frequency of wave A.

Select the correct option

|                       |                         |
|-----------------------|-------------------------|
| <input type="radio"/> | The same as             |
| <input type="radio"/> | One-ninth               |
| <input type="radio"/> | One-third               |
| <input type="radio"/> | Three times larger than |

Click to Save Answer &amp; Move to Next Question





Quiz



BC210400660: RIMSHA SHAKEEL

Time Left

90

sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 04:30 PM, 06 January 2022

Question # 9 of 10 ( Start time: 05:27:54 PM, 07 January 2022 )

Total Marks: 1

"S type" earthquake waves resemble to:

Select the correct option

Reload Math Equations



Parallel propagation of waves



Electromagnetic waves



Longitudinal waves



Perpendicular propagation of waves

Click to Save Answer &amp; Move to Next Question





BC200400959: NIMRA IQBAL

Time Left 78 sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz start Time: 05:31 PM, 07 January 2022

Question #10 of 10 (Start time: 05:43:27 PM, 07 January 2022)

Total Marks: 1

The slope of velocity time graph shows the:

select the correct option

|                       |                                    |
|-----------------------|------------------------------------|
| <input type="radio"/> | Average acceleration of body       |
| <input type="radio"/> | total distance covered by the body |
| <input type="radio"/> | total work done on the body        |
| <input type="radio"/> | Average force by acting on body    |

Click to Save Answer &amp; Move to Next Question



Question # 4 of 10 ( Start time: 05:40:55 PM, 07 January 2022 )

If the speed of sound is 340m/s a plane flying at 400m/s creates a conical shock wave with an apex half angle of:

Select the correct option

- |                       |                   |
|-----------------------|-------------------|
| <input type="radio"/> | 58°               |
| <input type="radio"/> | 32°               |
| <input type="radio"/> | 40°               |
| <input type="radio"/> | 0 (no shock wave) |

Click to Save Answer & Move to



BC200400959: NIMRA IQBAL

Time Left 02  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz start Time: 05:31 PM, 07 January 2022

Question # 8 of 10 ( Start time: 05:40:34 PM, 07 January 2022 )

Total Marks: 1

If  $r$  is the force acting on the test charge  $q_0$ , the electric field intensity  $E$  would be given by

select the correct option

- |                       |                   |
|-----------------------|-------------------|
| <input type="radio"/> | $E = r \cdot q_0$ |
| <input type="radio"/> | $E = r \cdot q_0$ |
| <input type="radio"/> | $E = r/q_0$       |
| <input type="radio"/> | $E = q_0/r$       |

Click to Save Answer &amp; Move to Next Question



BC210410082: MANZOOR HUSSAIN

Time Left

73

sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 05:20 PM, 07 January 2022

Question # 7 of 10 ( Start time: 05:29:06 PM, 07 January 2022 )

Total Marks: 1

The oscillation in which amplitude remain same with time called:

Select the correct option

 Reload Math Equations

|                       |                       |
|-----------------------|-----------------------|
| <input type="radio"/> | Damping               |
| <input type="radio"/> | Harmonic oscillations |
| <input type="radio"/> | Resonance             |
| <input type="radio"/> | Forced oscillations   |

Click to Save Answer &amp; Move to Next Question



BC200400959: NIMRA IQBAL

Time Left  
09  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz start Time: 05:31 PM, 07 January 2022

Question # 4 of 10 ( Start time: 05:34:55 PM, 07 January 2022 )

Total Marks: 1

The approximate value of  $g$  at an altitude above earth equal to one earth diameter is

select the correct option

|                       |                     |
|-----------------------|---------------------|
| <input type="radio"/> | 4.9m/s <sup>2</sup> |
| <input type="radio"/> | 1.9m/s <sup>2</sup> |
| <input type="radio"/> | 11m/s <sup>2</sup>  |
| <input type="radio"/> | 2.5m/s <sup>2</sup> |

Click to Save Answer &amp; Move to Next Question





vulms.vu.edu.pk/Quiz/Quiz()

2



BC210410082: MANZOOR HUSSAIN

Time Left  
74  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 05:20 PM, 07 January 2022

Question # 9 of 10 ( start time: 05:32:16 PM, 07 January 2022 )

Total Marks: 1

The ability of a capacitor to store charge depends upon

Select the correct option

- |                       |                         |
|-----------------------|-------------------------|
| <input type="radio"/> | area of plates          |
| <input type="radio"/> | distance between plates |
| <input type="radio"/> | all of these            |
| <input type="radio"/> | type of dielectric used |

Click to Save Answer &amp; Move to Next Question



When body moves with constant acceleration the velocity time graph is:

- Select the correct option
- ☐ Curve
  - ☐ Hyperbola
  - ☐ Straight line
  - ☐ Parabola

Click to Save Answer & Move to Next Question



BC210410082: MANZOOR HUSSAIN

Time Left

84  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 05:20 PM, 07 January 2022

Question # 10 of 10 (start time: 05:33:33 PM, 07 January 2022)

Total Marks: 1

When you step on the accelerator to increase the speed of your car, the force that accelerates the car is

Select the correct option

- |                       |                                                |
|-----------------------|------------------------------------------------|
| <input type="radio"/> | the force of your foot on the accelerator      |
| <input type="radio"/> | the force of friction of the road on the tires |
| <input type="radio"/> | the force of the engine on the drive shaft     |
| <input type="radio"/> | the normal force of the road on the tires      |

Click to Save Answer &amp; Move to Next Question





BC210410082: MANZOOR HUSSAIN

Time Left

82  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 05:20 PM, 07 January 2022

Question # 8 of 10 ( start time: 05:30:44 PM, 07 January 2022 )

Total Marks: 1

The speed of sound in medium depends upon

Select the correct option

- |                       |                          |
|-----------------------|--------------------------|
| <input type="radio"/> | properties of the medium |
| <input type="radio"/> | wavelength               |
| <input type="radio"/> | amplitude                |
| <input type="radio"/> | frequency                |

Click to Save Answer &amp; Move to Next Question



Quiz



BC210400660: RIMSHA SHAKEEL

Time Left 90  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 04:30 PM, 06 January 2022

Question # 10 of 10 ( Start time: 05:29:30 PM, 07 January 2022 )

Total Marks: 1

The angular displacement of one revolution is equal to:

Select the correct option

|                       |                |
|-----------------------|----------------|
| <input type="radio"/> | $2\pi$ radian  |
| <input type="radio"/> | 1 radian       |
| <input type="radio"/> | $\pi/2$ radian |
| <input type="radio"/> | $\pi$ radian   |

Click to Save Answer &amp; Move to Next Question





BC210410082: MANZOOR HUSSAIN

Time Left 90  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 05:20 PM, 07 January 2022

Question # 6 of 10 ( Start time: 05:27:37 PM, 07 January 2022 )

Total Marks: 1

An ultrasonic wave is sent from a ship towards the bottom of the sea. It is found that the time interval between the sending and receiving of the wave is 1.6 s. What is the depth of the sea, if the velocity of sound in the seawater is 1400 m/s?

Select the correct option

|                       |        |
|-----------------------|--------|
| <input type="radio"/> | 1120 m |
| <input type="radio"/> | 560 m  |
| <input type="radio"/> | 112 m  |
| <input type="radio"/> | 1400 m |

Click to Save Answer &amp; Move to Next Question





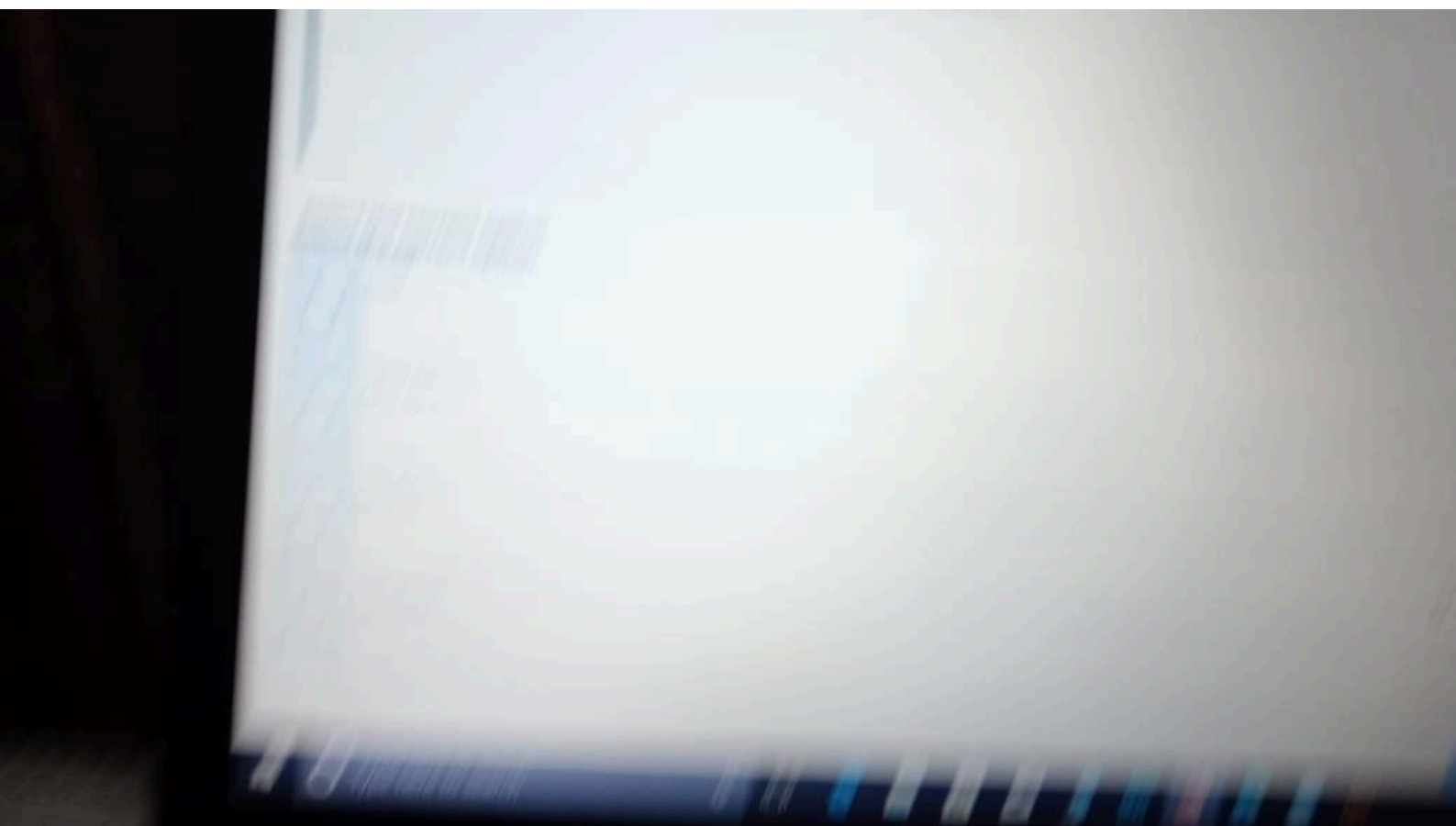
<https://vulms.vu.edu.pk/Quiz/QuizQuestion.aspx?ver=7b40b01e-b257-4c08-9ea6-a896b2986e3c>

**Question # 5 of 10 ( Start time: 03:40:30 PM, 07 January 2022 )**

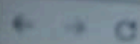
If the force acting on a body is doubled then the acceleration becomes:

**Select the correct option**

- |                       |            |
|-----------------------|------------|
| <input type="radio"/> | Half       |
| <input type="radio"/> | One fourth |
| <input type="radio"/> | Double     |
| <input type="radio"/> | Constant   |







<https://www.myedupk.com/question.aspx?test=75432174-6/257-4/10-3646-27364/104444>

Question # 5 of 10 ( Start time: 03:40:30 PM, 07 January 2023 )

If the force acting on a body is doubled then the acceleration becomes

► Select the correct option



Half



One fourth



Double



Constant

Time left: 00:05:00



<https://vulms.vu.edu.pk/Quiz/QuizQuestion.aspx?ver=b84d917b-b913-48b8-8b8d-be680d855681>



**Question # 6 of 10 ( Start time: 03:41:55 PM, 07 January 2022 )**

As the wavelength of a wave in a uniform medium increases, its speed will \_\_\_\_\_.

Select the correct option

- |                       |                 |
|-----------------------|-----------------|
| <input type="radio"/> | Decrease        |
| <input type="radio"/> | Increase        |
| <input type="radio"/> | Remain the same |
| <input type="radio"/> | None of these   |

Click to Show Answer & Move to Next



## Quiz

vulms.vu.edu.pk



PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 04:19 PM, 07

Question # 10 of 10 ( Start time: 04:27:49 PM, 07 January 2022 )

Which of the following cases is/are NOT a uniformly accelerated motion?

- i. A feather falls from a certain height inside a vacuum tube.
- ii. A ball rolls along a frictionless plane at uniform speed.
- iii. A coin falls from a certain height in air but air resistance is negligible.

Select the correct option

|                       |                     |
|-----------------------|---------------------|
| <input type="radio"/> | (i) only            |
| <input type="radio"/> | (ii) and (iii) only |
| <input type="radio"/> | (ii) only           |
| <input type="radio"/> | (i) and (ii) only   |

[Click to Save Answer & Move to Next](#)

BC200403763: MUHAMMAD USMAN

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 04:05 PM, 07 January 2022

Question # 10 of 10 (Start time: 04:16:06 PM, 07 January 2022)

Water flows into a house at a velocity of 15 m/s through a pipe that has a radius of 0.40 m. The water then flows through a smaller pipe at a velocity of 45 m/s. What is the radius of the smaller pipe?

Select the correct option

☒ 0.17 m

☐ 0.37 m

☐ 0.23 m

☐ 0.53 m

Click to Save Answer & Move to Next Q



BC200403763: MUHAMMAD USMAN

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Question # 1 of 10 ( Start time: 04:05:39 PM, 07 January 2022 )

If a gymnast sitting on a stool with his arms stretched lowers his arms:

Select the correct option

- |                       |                             |
|-----------------------|-----------------------------|
| <input type="radio"/> | Become zero                 |
| <input type="radio"/> | The angular speed decreases |
| <input type="radio"/> | The angular speed increases |
| <input type="radio"/> | Remain same                 |



Quiz - Google Chro...



phy10



BC200409644: KHALIL ABBAS

Time Left 88 sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 03:40 PM, 07 January 2022

Question # 10 of 10 (Start time: 03:54:57 PM, 07 January 2022)

Total Marks: 1

For an ideal fluid flowing through a horizontal pipe, Bernoulli's equation states that the sum of the pressure and energy per unit volume along the pipe does which of the following? (Assume measurements are taken along the pipe in the direction of fluid flow.)

Select the correct option

- |                       |                                                          |
|-----------------------|----------------------------------------------------------|
| <input type="radio"/> | decreases as the pipe diameter increases                 |
| <input type="radio"/> | increases as the pipe diameter increases                 |
| <input type="radio"/> | remains constant as the pipe diameter increases          |
| <input type="radio"/> | increases, then decreases as the pipe diameter increases |

Click to Save Answer &amp; Move to Next Question

A transverse wave is transporting energy from east to west. The particles of the medium will move\_\_\_\_\_

▶ Select the correct option

- ☐ East to west only
- ☐ Both eastward and westward
- ☐ North to south only
- ☒ Both northward and southward

Activate Windows

Click to Save Answer & Move to Next Question

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BC200409644: KHALIL ABBAS

Time Left 87  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 03:40 PM, 07 January 2022

Question # 9 of 10 ( Start time: 03:53:13 PM, 07 January 2022 )

Total Marks: 1

A ball is thrown upward into the air with a speed that is greater than terminal speed. It lands at the place where it was thrown. During its flight, the force of air resistance is the greatest:

Select the correct option

|                       |                              |
|-----------------------|------------------------------|
| <input type="radio"/> | just after it is thrown      |
| <input type="radio"/> | half way up                  |
| <input type="radio"/> | halfway down                 |
| <input type="radio"/> | at the top of its trajectory |

Click to Save Answer &amp; Move to Next Question





BC200409644: KHALIL ABBAS

Time Left

85  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 03:40 PM, 07 January 2022

Question # 8 of 10 ( Start time: 03:51:41 PM, 07 January 2022 )

Total Marks: 1

A glass of water is placed on a sheet of paper. Quickly drag the sheet of paper from under the glass of water without spilling the water is due to:

Select the correct option

|                       |                                          |
|-----------------------|------------------------------------------|
| <input type="radio"/> | lack of friction between paper and glass |
| <input type="radio"/> | Newton's third law of motion             |
| <input type="radio"/> | acceleration                             |
| <input type="radio"/> | inertia                                  |

Click to Save Answer &amp; Move to Next Question

**Question # 7 of 10 ( Start time: 03:50:25 PM, 07 January 2022 )**

The velocity of sound in vacuum:

Select the correct option

|                       |         |
|-----------------------|---------|
| <input type="radio"/> | Zero    |
| <input type="radio"/> | 333 m/s |
| <input type="radio"/> | 430 m/s |
| <input type="radio"/> | 280 m/s |

**Question # 10 of 10 ( Start time: 03:48:21 PM, 07 January 2022 )**

The gravitational constant  $G$  has the derived units:

**Select the correct option**

- |                       |                                       |
|-----------------------|---------------------------------------|
| <input type="radio"/> | $\text{N}\cdot\text{m}^2/\text{kg}^2$ |
| <input type="radio"/> | $\text{N}\cdot\text{m}$               |
| <input type="radio"/> | $\text{N}\cdot\text{m}/\text{kg}$     |
| <input type="radio"/> | $\text{N}\cdot\text{kg}/\text{m}$     |

[Click to Save](#)



Two skaters toss a basketball back and forth on frictionless ice. Which of the following does not change?

Select the correct option



the momentum of the basketball;



the momentum of the system consisting of both skaters and the basketball.



the momentum of the system consisting of one skater and the basketball;



the momentum of an individual skater;

Click to Save Answer & Move to



Question # 9 of 10 ( Start time: 03:47:29 PM, 07 January 2022 )

A radian is about:

Select the correct option

- |                       |     |
|-----------------------|-----|
| <input type="radio"/> | 37° |
| <input type="radio"/> | 25° |
| <input type="radio"/> | 45° |
| <input type="radio"/> | 57° |

[Click to Save Answer](#)



BC210426715: FAIZA AKRAM

Time Left 87  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 03:22 PM, 07 January 2022

Question # 6 of 10 ( start time: 03:30:18 PM, 07 January 2022 )

Total Marks: 1

What is the angle of projection of projectile, for which its maximum height and horizontal range are equal?

Select the correct option

|                       |     |
|-----------------------|-----|
| <input type="radio"/> | 76° |
| <input type="radio"/> | 30° |
| <input type="radio"/> | 90° |
| <input type="radio"/> | 36° |

Click to Save Answer &amp; Move to Next Question



BC210422159: HIRA BIBI

Time Left

80  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 03:20 PM, 07 January 2022

Question # 2 of 10 ( start time: 03:20:38 PM, 07 January 2022 )

Total Marks: 1

A certain wire stretches 0.90 cm when outward forces with magnitude  $F$  are applied to each end. The same forces are applied to a wire of the same material but with three times the diameter and three times the length. The second wire stretches:

Select the correct option

|                       |         |
|-----------------------|---------|
| <input type="radio"/> | 2.7 cm  |
| <input type="radio"/> | 0.10 cm |
| <input type="radio"/> | 0.30 cm |
| <input type="radio"/> | 0.90 cm |

Click to Save Answer & Move to Next Question



BC210422159: HIRA BIBI

PHY101 – Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 03:20 PM, 07 January 2022

Question # 3 of 10 ( Start time: 03:21:27 PM, 07 January 2022 )

A water bed that is 1.5 m wide and 2.5 m long weighs 1055 N. Assuming the entire lower surface of the bed is in contact with the floor, what is the pressure on the floor?

Select the correct option

- |                       |        |
|-----------------------|--------|
| <input type="radio"/> | 250 Pa |
| <input type="radio"/> | 270 Pa |
| <input type="radio"/> | 280 Pa |
| <input type="radio"/> | 260 Pa |

Click to Save Answer & Move to Next Question







BC210426715: FAIZA AKRAM

Time Left 87  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 03:22 PM, 07 January 2022

Question # 7 of 10 ( Start time: 03:31:51 PM, 07 January 2022 )

Total Marks: 1

If the magnitude of force applied is increased, the work done will -----

Select the correct option

- |                       |                |
|-----------------------|----------------|
| <input type="radio"/> | become zero    |
| <input type="radio"/> | have no change |
| <input type="radio"/> | be increased   |
| <input type="radio"/> | be decreased   |

Click to Save Answer &amp; Move to Next Question



BC210426715: FAIZA AKRAM

Time Left

86  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 03:22 PM, 07 January 2022

Question # 1 of 10 ( start time: 03:22:19 PM, 07 January 2022 )

Total Marks: 1

Distance covered during one vibration of an oscillating body in terms of amplitude A:

Select the correct option

Reload Math Equations

|                       |     |
|-----------------------|-----|
| <input type="radio"/> | 2A  |
| <input type="radio"/> | 4A  |
| <input type="radio"/> | A/2 |
| <input type="radio"/> | A   |

Click to Save Answer &amp; Move to Next Question



BC210422159: HIRA BIBI

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Question # 9 of 10 ( **start time: 03:28:06 PM, 07 January 2022** )

Because a buoyant force acts in the opposite direction of gravity,

Select the correct option



objects submerged in water have a net force larger than their weight.



objects submerged in water appear to weigh more than they do in air.



objects submerged in water have a net force equal to their weight.



objects submerged in water have a net force smaller than their weight.





BC210426715: FAIZA AKRAM

Time Left

88  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 03:22 PM, 07 January 2022

Question # 5 of 10 ( start time: 03:28:20 PM, 07 January 2022 )

Total Marks: 1

If force of friction is negligible, then acceleration of two freely falling objects of different masses is:

Select the correct option

|                       |                                       |
|-----------------------|---------------------------------------|
| <input type="radio"/> | Variable                              |
| <input type="radio"/> | None of these                         |
| <input type="radio"/> | The same                              |
| <input type="radio"/> | Smaller acceleration for smaller mass |

Click to Save Answer &amp; Move to Next Question



BC210422159: HIRA BIBI

Time Left 78 sec

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 03:20 PM, 07 January 2

Question # 8 of 10 ( start time: 03:26:59 PM, 07 January 2022 )

Total Mar

A mosquito's buzz is often rated with a decibel rating of 40 dB. Normal conversation is often rated at 60 dB. How many times more intense is normal conversation compared to a mosquito's buzz?

Select the correct option

- ☐ 2
- ☐ 400
- ☐ 20
- ☐ 100

Click to Save Answer & Move to Next Question

## Question # 28 of 30 ( Start time: 10:42:32 AM, 04 January 2021 )

A wheel of radius 50 cm having the angular speed of 5 rad/s will have linear speed in m/s?

Select the correct option

- |                                  |     |
|----------------------------------|-----|
| <input type="radio"/>            | 0.5 |
| <input type="radio"/>            | 1.5 |
| <input checked="" type="radio"/> | 2.5 |
| <input type="radio"/>            | 3.5 |

## Question # 29 of 30 ( Start time: 10:42:47 AM, 04 January 2021 )

An object moves in a circle at constant speed. The work done by the centripetal force is zero because:



BC200409644: KHALIL ABBAS

Time Left 80 sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 03:40 PM, 07 January 2022

Question # 5 of 10 ( Start time: 03:46:53 PM, 07 January 2022 )

Total Marks: 1

A municipal water supply is provided by a tall water tower. Water from this tower flows to a building. How does the water flow out of a faucet on the ground floor of a building compare with the water flow out of an identical faucet on the second floor of the building?

Select the correct option

- |                       |                                                                                                 |
|-----------------------|-------------------------------------------------------------------------------------------------|
| <input type="radio"/> | Water flows more rapidly out of the ground-floor faucet.                                        |
| <input type="radio"/> | Water flows at the same speed out of both faucets.                                              |
| <input type="radio"/> | Water flows more rapidly out of the second-floor faucet.                                        |
| <input type="radio"/> | The speed of the water flow cannot be determined unless the height of the water tower is known. |

Click to Save Answer &amp; Move to Next Question



Question # 8 of 10 ( Start time: 03:46:08 PM, 07 January 2022 )

A ball is allowed to fall freely from certain height. It covers a distance in 1st second equal to:

Select the correct option

- |                       |       |
|-----------------------|-------|
| <input type="radio"/> | $g/2$ |
| <input type="radio"/> | $2g$  |
| <input type="radio"/> | $G$   |
| <input type="radio"/> | none  |

Click to Save







## Question # 7 of 10 ( Start time: 03:45:17 PM, 07 January 2022 )

Before the density of an object can be found, what two measurements are required?

## Select the correct option

- |                       |                        |
|-----------------------|------------------------|
| <input type="radio"/> | mass and length        |
| <input type="radio"/> | mass and volume        |
| <input type="radio"/> | temperature and volume |
| <input type="radio"/> | volume and length      |

[Click to Save Answer & Mo](#)

**Question # 4 of 10 ( Start time: 03:45:00 PM, 07 January 2022 )**

Which of the following statements are TRUE of sound waves? Identify all that apply.

**Select the correct option**

- |                       |                                                                                                    |
|-----------------------|----------------------------------------------------------------------------------------------------|
| <input type="radio"/> | To hear the sound of a tuning fork, the tines of the fork must move air from the fork to one's ear |
| <input type="radio"/> | A sound wave is a transverse wave                                                                  |
| <input type="radio"/> | Sound can travel through a vacuum                                                                  |
| <input type="radio"/> | A sound wave is a mechanical wave                                                                  |

[Click here](#)

TIME LEFT  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 03:38 PM, 07 January 2022

Question # 6 of 10 (start time: 03:43:55 PM, 07 January 2022)

Total Mark:

How much pressure is exerted on a submarine at a depth of 8.50 km in the Pacific Ocean? (The density of sea water =  $1.025 \times 10^3 \text{ kg/m}^3$ , and the atmospheric pressure at sea level =  $1.01 \times 10^5 \text{ Pa}$ .)

Select the correct option

- |                       |                              |
|-----------------------|------------------------------|
| <input type="radio"/> | $8.7 \times 10^6 \text{ Pa}$ |
| <input type="radio"/> | $9.5 \times 10^6 \text{ Pa}$ |
| <input type="radio"/> | $8.6 \times 10^6 \text{ Pa}$ |
| <input type="radio"/> | $8.6 \times 10^5 \text{ Pa}$ |

Click to Save Answer &amp; Move to Next Question





Question # 3 of 10 ( Start time: 03:43:28 PM, 07 January 2022 )

A wheel of radius 50 cm having the angular speed of 5 rad/s will have linear speed in m/s?

Select the correct option

|                       |     |
|-----------------------|-----|
| <input type="radio"/> | 2.5 |
| <input type="radio"/> | 3.5 |
| <input type="radio"/> | 0.5 |
| <input type="radio"/> | 1.5 |

[Click to Save](#)

**Question # 5 of 10 ( Start time: 03:43:10 PM, 07 January 2022 )**

Example of physical quantity is:

**Select the correct option**

|                       |                 |
|-----------------------|-----------------|
| <input type="radio"/> | Effect of music |
| <input type="radio"/> | Length          |
| <input type="radio"/> | Sound           |
| <input type="radio"/> | Colour          |

cl





The ultimate strength of a sample is the stress at which the sample:

**Select the correct option**

- |                       |                                                          |
|-----------------------|----------------------------------------------------------|
| <input type="radio"/> | bends 180°                                               |
| <input type="radio"/> | breaks                                                   |
| <input type="radio"/> | returns to its original shape when the stress is removed |
| <input type="radio"/> | remains underwater                                       |

Cl



**Question # 2 of 10 ( Start time: 03:41:56 PM, 07 January 2022 )**

A transverse wave is transporting energy from east to west. The particles of the medium will move\_\_\_\_\_

**Select the correct option**

- |                       |                              |
|-----------------------|------------------------------|
| <input type="radio"/> | East to west only            |
| <input type="radio"/> | North to south only          |
| <input type="radio"/> | Both eastward and westward   |
| <input type="radio"/> | Both northward and southward |

[Click to S](#)

**Question # 3 of 10 ( Start time: 03:40:56 PM, 07 January 2022 )**

The slope of a velocity – time the graph at any point may be identified with:

**Select the correct option**

|                       |                            |
|-----------------------|----------------------------|
| <input type="radio"/> | instantaneous acceleration |
| <input type="radio"/> | instantaneous acceleration |
| <input type="radio"/> | instantaneous velocity     |
| <input type="radio"/> | average acceleration       |

[Click to](#)



BC200409644: KHALIL ABBAS

Time Left  
81  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 03:40 PM, 07 January 2022

Question # 1 of 10 ( Start time: 03:40:41 PM, 07 January 2022 )

Total Marks: 1

A municipal water supply is provided by a tall water tower. Water from this tower flows to a building. How does the water flow out of a faucet on the ground floor of a building compare with the water flow out of an identical faucet on the second floor of the building?

Select the correct option

- |                       |                                                                                                 |
|-----------------------|-------------------------------------------------------------------------------------------------|
| <input type="radio"/> | Water flows more rapidly out of the second-floor faucet.                                        |
| <input type="radio"/> | Water flows more rapidly out of the ground-floor faucet.                                        |
| <input type="radio"/> | The speed of the water flow cannot be determined unless the height of the water tower is known. |
| <input type="radio"/> | Water flows at the same speed out of both faucets.                                              |

Click to Save Answer &amp; Move to Next Question



Question # 2 of 10 ( Start time: 03:40:02 PM, 07 January 2022 )

The ratio of circumference of a circle to its diameter is equal to:

Select the correct option

- |                       |               |
|-----------------------|---------------|
| <input type="radio"/> | $\pi/2$       |
| <input type="radio"/> | $2\pi$        |
| <input type="radio"/> | one steradian |
| <input type="radio"/> | $\pi$         |

Click to Save Answer





BC210422200: ZUHA AZHAR

Time Left

88

sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 03:27 PM, 07 January 2022

Question # 10 of 10 ( start time: 03:39:27 PM, 07 January 2022 )

Total Marks: 1

A stone is thrown up from the surface of earth, the it reaches a maximum height, kinetic energy is equal to:

Select the correct option

|                       |                  |
|-----------------------|------------------|
| <input type="radio"/> | $\frac{1}{2} mv$ |
| <input type="radio"/> | Zero             |
| <input type="radio"/> | $2mgh$           |
| <input type="radio"/> | $mgh$            |

Click to Save Answer &amp; Move to Next Question



Question # 1 of 10 ( Start time: 03:38:42 PM, 07 January 2022 )

The product of force and time is called change in:

Select the correct option

- |                       |              |
|-----------------------|--------------|
| <input type="radio"/> | Impulse      |
| <input type="radio"/> | Force        |
| <input type="radio"/> | Acceleration |
| <input type="radio"/> | Torque       |

Click to Save Answer & Mark





BC210422200: ZUHA AZHAR

Time Left

88

sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 03:27 PM, 07 January 2022

Question # 9 of 10 ( Start time: 03:38:40 PM, 07 January 2022 )

Total Marks: 1

The turning effect of a force is called the force's

Select the correct option

|                       |               |
|-----------------------|---------------|
| <input type="radio"/> | inertia       |
| <input type="radio"/> | torque/moment |
| <input type="radio"/> | distance      |
| <input type="radio"/> | momentum      |

Click to Save Answer &amp; Move to Next Question



BC210422200: ZUHA AZHAR

Time Left

87  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 03:27 PM, 07 January 2022

Question # 8 of 10 (start time: 03:37:43 PM, 07 January 2022)

Total Marks: 1

The product of force and time is called change in:

Select the correct option

|                       |                      |
|-----------------------|----------------------|
| <input type="radio"/> | Angular acceleration |
| <input type="radio"/> | work                 |
| <input type="radio"/> | Force                |
| <input type="radio"/> | Momentum             |

Click to Save Answer &amp; Move to Next Question



## PHY101 – Physics (2nd online quiz of Physics (PHY101))

Total Questions :10

**Please read the following instructions carefully!**

1. Quiz will be based upon Multiple Choice Questions (MCQs).
2. You have to attempt the quiz online. You can start attempting the quiz any time within given date(s) of a particular subject by clicking the link for Quiz in VULMS.
3. Each question has a fixed time of 90 seconds. So you have to save your answer before 90 seconds. But due to unstable internet speeds, it is recommended that you should save your answer within 60 seconds. While attempting a question, keep an eye on the remaining time.
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  - Saving...
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[Start Quiz](#)



BC210422200: ZUHA AZHAR

Time Left

88

sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 03:27 PM, 07 January 2022

Question # 7 of 10 ( Start time: 03:36:16 PM, 07 January 2022 )

Total Marks: 1

A force of 100 N acts upon a body for five seconds. What will be the change in momentum?

Select the correct option

|                       |        |
|-----------------------|--------|
| <input type="radio"/> | 50 NS  |
| <input type="radio"/> | 20 NS  |
| <input type="radio"/> | 500 NS |
| <input type="radio"/> | 200 NS |

Click to Save Answer &amp; Move to Next Question





BC210422200: ZUHA AZHAR

Time Left

88

sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 03:27 PM, 07 January 2022

Question # 6 of 10 ( start time: 03:34:53 PM, 07 January 2022 )

Total Marks: 1

An object moves in a circle at constant speed. The work done by the centripetal force is zero because:

Select the correct option



the centripetal force is perpendicular to the velocity



there is no friction



the displacement for each revolution is zero



the average force for each revolution is zero

Click to Save Answer &amp; Move to Next Question



BC210422200: ZUHA AZHAR

Time Left

88  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 03:27 PM, 07 January 2022

Question # 5 of 10 ( start time: 03:33:40 PM, 07 January 2022 )

Total Marks: 1

The dimensional units of ratio of work and power is:

Select the correct option

|                       |   |
|-----------------------|---|
| <input type="radio"/> | L |
| <input type="radio"/> | J |
| <input type="radio"/> | T |
| <input type="radio"/> | F |

Click to Save Answer &amp; Move to Next Question



BC210422200: ZUHA AZHAR

Time Left

88

sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 03:27 PM, 07 January 2022

Question # 4 of 10 (start time: 03:32:12 PM, 07 January 2022)

Total Marks: 1

When the mass of the colliding body is much larger than the mass of the body at rest, its velocity after collision:

Select the correct option

Reload Math Equations

|                       |               |
|-----------------------|---------------|
| <input type="radio"/> | Become half   |
| <input type="radio"/> | Remain same   |
| <input type="radio"/> | Become double |
| <input type="radio"/> | Become zero   |

Click to Save Answer &amp; Move to Next Question



BC210422200: ZUHA AZHAR

Time Left

88

sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 03:27 PM, 07 January 2022

Question # 3 of 10 ( Start time: 03:30:56 PM, 07 January 2022 )

Total Marks: 1

Add two vectors of length 4 m & 5 m but their orientation is not known. The length after addition of these two vectors will be:

Select the correct option

- |                       |                     |
|-----------------------|---------------------|
| <input type="radio"/> | between 9 m and 5   |
| <input type="radio"/> | 9 m                 |
| <input type="radio"/> | between 9 m and 1 m |
| <input type="radio"/> | Less than 1 m       |

Click to Save Answer &amp; Move to Next Question

8.6 \* 106 Pa



6

PHY101:Grand Quiz

Quiz Start Time:

Question # 21 of 30 ( Start time: 10:40:44 AM, 04 January 2021 )

A force of 100 N acts upon a body for five seconds. What will be the change in momentum?

Select the correct option

|                                  |        |
|----------------------------------|--------|
| <input type="radio"/>            | 200 NS |
| <input checked="" type="radio"/> | 500 NS |
| <input type="radio"/>            | 20 NS  |
| <input type="radio"/>            | 50 NS  |

PHY101:Grand Quiz

Quiz Start



BC200403009: MUHAMMAD NAUMAN AFZAL

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 03:11

Question # 10 of 10 ( start time: 03:21:07 PM, 07 January 2022 )

It is easier to walk on the concrete road than on ice because:

Select the correct option

- |                       |                                                                                           |
|-----------------------|-------------------------------------------------------------------------------------------|
| <input type="radio"/> | the amount of friction is same for both (Ice & concrete road)                             |
| <input type="radio"/> | Ice is soft and spongy where as concrete is hard                                          |
| <input type="radio"/> | the friction between the ice and the feet is less than that between the concrete and feet |
| <input type="radio"/> | there is more friction on the ice than on concrete                                        |

Click to Save Answer &amp; Move



## Question # 9 of 10 ( Start time: 03:20:33 PM, 07 January 2022 )

According to the equation of work, when a boy sits in one place and studies for the whole night, he does

## Select the correct option

|                       |                  |
|-----------------------|------------------|
| <input type="radio"/> | lot of work      |
| <input type="radio"/> | no work          |
| <input type="radio"/> | too much work    |
| <input type="radio"/> | very little work |

[Click to Save Answer & Move](#)



Question # 8 of 10 ( Start time: 03:17:55 PM, 07 January 2022 )

The dimensional units of ratio of work and power is:

Select the correct option



J



T



F



L

Click to Save Answer &amp; Mark



## Question # 13 of 30 ( Start time: 10:38:34 AM, 04 January 2021 )

Total Marks: 1

For an ideal fluid flowing through a horizontal pipe, Bernoulli's equation states that the sum of the pressure and energy per unit volume along the pipe does which of the following? (Assume measurements are taken along the pipe in the direction of fluid flow.)

Select the correct option

- |                                  |                                                          |   |
|----------------------------------|----------------------------------------------------------|---|
| <input type="radio"/>            | increases as the pipe diameter increases                 | / |
| <input type="radio"/>            | decreases as the pipe diameter increases                 | / |
| <input checked="" type="radio"/> | remains constant as the pipe diameter increases          | / |
| <input type="radio"/>            | increases, then decreases as the pipe diameter increases | / |

## Question # 14 of 30 ( Start time: 10:38:59 AM, 04 January 2021 )

Which of the following statement is true?



BC200403009: MUHAMMAD NAUMAN AFZAL

Time Left 87  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 03:11 PM, 07 January 2022

Question # 7 of 10 ( Start time: 03:16:59 PM, 07 January 2022 )

Total Marks: 1

Take the speed of sound to be 340m/s. A thunder clap is heard about 3 s after the lightning is seen. The source of both light and sound is:

Select the correct option



emitting a much lower frequency than is heard



about 1000m away



emitting a much higher frequency than is heard



moving overhead faster than the speed of sound

Click to Save Answer &amp; Move to Next Question



Question # 6 of 10 ( Start time: 03:15:50 PM, 07 January 2022 )

A plane produces a sonic boom only when:

Select the correct option

- |                       |                                              |
|-----------------------|----------------------------------------------|
| <input type="radio"/> | it flies at high altitudes                   |
| <input type="radio"/> | it emits sound waves of high frequency       |
| <input type="radio"/> | it emits sound waves of very long wavelength |
| <input type="radio"/> | it flies faster than the speed of sound      |

Click to Save



# Quiz

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BC200403009: MUHAMMAD NAUMAN AFZAL

Time Left 75 sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 03:11 PM, 07 January 2022

Question # 5 of 10 ( Start time: 03:14:36 PM, 07 January 2022 )

Total Mark:

A/an----- is the basic reason to change in the motion of an object according to Newton's second law of motion.

Select the correct option

- |                       |                     |
|-----------------------|---------------------|
| <input type="radio"/> | change in velocity  |
| <input type="radio"/> | decrease in inertia |
| <input type="radio"/> | net force           |
| <input type="radio"/> | acceleration        |

Click to Save Answer &amp; Move to Next Question



BC200403009: MUHAMMAD NAUMAN AFZAL

Time Left 85  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 03:11 PM, 07 January 2022

Question # 5 of 10 ( Start time: 03:14:36 PM, 07 January 2022 )

Total Mark:

A/an----- is the basic reason to change in the motion of an object according to Newton's second law of motion.

Select the correct option

- |                       |                     |
|-----------------------|---------------------|
| <input type="radio"/> | change in velocity  |
| <input type="radio"/> | decrease in inertia |
| <input type="radio"/> | net force           |
| <input type="radio"/> | acceleration        |

Click to Save Answer &amp; Move to Next Question



Question # 4 of 10 ( Start time: 03:13:57 PM, 07 January 2022 )

What is the angle of projection of projectile, for which its maximum height and horizontal range are equal?

Select the correct option

- |                       |     |
|-----------------------|-----|
| <input type="radio"/> | 30° |
| <input type="radio"/> | 36° |
| <input type="radio"/> | 90° |
| <input type="radio"/> | 76° |

Click to Save Answer &amp; Move to Next Question



Question # 3 of 10 ( Start time: 03:13:22 PM, 07 January 2022 )

Before the density of an object can be found, what two measurements are required?

Select the correct option

- |                       |                        |
|-----------------------|------------------------|
| <input type="radio"/> | temperature and volume |
| <input type="radio"/> | volume and length      |
| <input type="radio"/> | mass and length        |
| <input type="radio"/> | mass and volume        |

[Click to Save Answer & Mo](#)



A man, with his arms at his sides, is spinning on a light frictionless turntable. When he extends his arms:

Select the correct option

- |                       |                                       |
|-----------------------|---------------------------------------|
| <input type="radio"/> | his angular velocity remains the same |
| <input type="radio"/> | his angular velocity increases        |
| <input type="radio"/> | his angular momentum remains the same |
| <input type="radio"/> | his rotational inertia decreases      |

Click to Save Answer & Move to Next Que





A man, with his arms at his sides, is spinning on a light frictionless turntable. When he extends his arms:

Select the correct option

- |                       |                                       |
|-----------------------|---------------------------------------|
| <input type="radio"/> | his angular velocity remains the same |
| <input type="radio"/> | his angular velocity increases        |
| <input type="radio"/> | his angular momentum remains the same |
| <input type="radio"/> | his rotational inertia decreases      |

Click to Save Answer & Move to Next Question



Question # 1 of 10 ( Start time: 03:11:50 PM, 07 January 2022 )

A ----- vector is obtained by dividing the vector by its magnitude:

Select the correct option



negative



unit



normal



position

Click to See Answer



Question # 10 of 10 ( Start time: 03:07:23 PM, 07 January 2022 )

Power is equal to the dot product of force and:

Select the correct option

- |                       |                 |
|-----------------------|-----------------|
| <input type="radio"/> | Velocity        |
| <input type="radio"/> | Acceleration    |
| <input type="radio"/> | Position vector |
| <input type="radio"/> | Displacement    |

Question # 9 of 10 ( Start time: 03:05:58 PM, 07 January 2022 )

If a simple pendulum oscillates with an amplitude 50 mm and time period 2s, then its maximum v

Select the correct option



0.15 m/s



0.16 m/s



0.1 m/s



0.8 m/s

Click to Save Ans



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1



BC190410670: AQSA

Time Left

87  
sec(s)

PHY101 – Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 03:04 PM, 07 January 2022

Question # 1 of 10 ( Start time: 03:04:11 PM, 07 January 2022 )

Total Marks: 1

Bulk modulus is involved when the deformation is:

Select the correct option

 Reload Math Equations

|                       |                   |
|-----------------------|-------------------|
| <input type="radio"/> | No dimension      |
| <input type="radio"/> | Two dimensional   |
| <input type="radio"/> | One dimensional   |
| <input type="radio"/> | Three dimensional |

Click to Save Answer &amp; Move to Next Question



Question # 8 of 10 ( Start time: 03:04:30 PM, 07 January 2022 )

Which of the following statement is true?

Select the correct option



Weight is a force, mass is a measure of inertia



Heavier objects weigh more than light objects



Gravity is necessary to measure both weight and mass



Mass depends on gravity, weight does not



vulms.vu.edu.pk/Quiz/QuizI

1



PH101 - Physics (2nd online quiz on Physics (PH101))

Quiz Start Time: 02:42 PM, 07 January

Question # 10 of 10 (start time: 03:03:26 PM, 07 January 2022)

Total #

Earth exerts a gravitational force on the Moon, keeping it in its orbit. The reaction to this force, in the sense of Newton's third law, is:

Select the correct option

- ☐ the tides due to the Moon
- ☐ the centripetal force on the Moon
- ☐ the gravitational force on Earth by the Moon
- ☐ the nearly circular orbit of the Moon

[Click to Save Answer & Move to Next Question](#)



Question # 7 of 10 ( **Start time: 03:03:18 PM, 07 January 2022** )

Whenever an object strikes a stationary object of equal mass:

**Select the correct option**



the two objects cannot stick together



the first object must stop



the collision must be elastic



none of these





## PHY101 – Physics (2nd online quiz of Physics (PHY101))

Total Questions :10

**Please read the following instructions carefully!**

1. Quiz will be based upon Multiple Choice Questions (MCQs).
2. You have to attempt the quiz online. You can start attempting the quiz any time within given date(s) of a particular subject by clicking the link for Quiz in VULMS.
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  - Saving...
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[Start Quiz](#)



Swimming becomes possible because of:

Select the correct option

- |                       |                      |
|-----------------------|----------------------|
| <input type="radio"/> | Law of torque        |
| <input type="radio"/> | Second law of motion |
| <input type="radio"/> | First law of motion  |
| <input type="radio"/> | Third law of motion  |

Click

For an ideal fluid flowing through a horizontal pipe, Bernoulli's equation states that the sum of the pressure and energy per unit volume along the pipe does which of the following? (Assume measurements are taken along the pipe in the direction of fluid flow.)

Select the correct option



increases, then decreases as the pipe diameter increases



decreases as the pipe diameter increases



increases as the pipe diameter increases



remains constant as the pipe diameter increases

Click to Save Answer & Move to Next Question



Question # 5 of 10 ( Start time: 03:00:49 PM, 07 January 2022 )

Which of the following statements about completely submerged objects resting on the ocean

Select the correct option



The apparent weight of the object depends on the object's density.



The buoyant force acting on the object is equal to the object's weight.



The displaced volume of fluid is greater than the volume of the object.



The weight of the object and the buoyant force are equal and opposite.

[Click to Save](#)



Question # 4 of 10 ( **Start time: 03:00:00 PM, 07 January 2022** )

"S type" earthquake waves resemble to:

Select the correct option

|                       |                                    |
|-----------------------|------------------------------------|
| <input type="radio"/> | Longitudinal waves                 |
| <input type="radio"/> | Perpendicular propagation of waves |
| <input type="radio"/> | Electromagnetic waves              |
| <input type="radio"/> | Parallel propagation of waves      |

**Question # 3 of 10 ( Start time: 02:59:16 PM, 07 January 2022 )**

Stress is defined in terms of:

**Select the correct option**

|                       |               |
|-----------------------|---------------|
| <input type="radio"/> | Deformation   |
| <input type="radio"/> | Applied force |
| <input type="radio"/> | Formation     |
| <input type="radio"/> | Newtons       |

**Question # 8 of 10 ( Start time: 02:58:56 PM, 07 January 2022 )**

6 joule of work done in 3 seconds then power is:

**Select the correct option**

|                       |         |
|-----------------------|---------|
| <input type="radio"/> | 2 watt  |
| <input type="radio"/> | 3 watt  |
| <input type="radio"/> | 6 watt  |
| <input type="radio"/> | 18 watt |



If the acceleration of a body is not uniform, then velocity-time graph will be:

**Select the correct option**

|                       |               |
|-----------------------|---------------|
| <input type="radio"/> | Sphere        |
| <input type="radio"/> | Circle        |
| <input type="radio"/> | Straight line |
| <input type="radio"/> | Curve         |





The ratio of circumference of a circle to its diameter is equal to:

Select the correct option



one steradian



$2\pi$



$\pi/2$



$\pi$

Click t



The area under the velocity time graph is:

Select the correct option

- |                       |              |
|-----------------------|--------------|
| <input type="radio"/> | Force        |
| <input type="radio"/> | Acceleration |
| <input type="radio"/> | Torque       |
| <input type="radio"/> | Distance     |

Click to



Question # 9 of 10 ( Start time: 02:53:04 PM, 07 January 2022 )

In each of the following two situations a source emits sound with a frequency of 1000 Hz. In situation I the source is moving at 100m/s toward an observer at rest. In situation II the observer is moving at 100m/s toward the source. The speed of sound is 340m/s. The frequencies heard by the observers in the two situations are:

Select the correct option

- |                       |                         |
|-----------------------|-------------------------|
| <input type="radio"/> | I: 1417 Hz; II: 1294 Hz |
| <input type="radio"/> | I: 773 Hz; II: 706 Hz   |
| <input type="radio"/> | I: 1417 Hz; II: 1417 Hz |
| <input type="radio"/> | I: 1294 Hz; II: 1294 Hz |

Click to Save Answer



The angle between rectangular components of a vector is:

Select the correct option

- |                       |            |
|-----------------------|------------|
| <input type="radio"/> | $60^\circ$ |
| <input type="radio"/> | $90^\circ$ |
| <input type="radio"/> | $0^\circ$  |
| <input type="radio"/> | $45^\circ$ |

C



Question # 7 of 10 ( Start time: 02:50:48 PM, 07 January 2022 )

When breaks are applied to a fast moving car, the passenger will be throws:

Select the correct option



Backward



Upward



Downward



Forward



## PHY101 - Physics (2nd online quiz of Physics (PHY101))

Question # 4 of 10 ( Start time: 02:50:05 PM, 07 January 2022 )

Which of the following statements about floating objects is correct?

Select the correct option



The object's density is equal to the density of the fluid on which it floats.



The object's density is greater than the density of the fluid on which it floats.



The buoyant force equals the object's weight.



The displaced volume of fluid is greater than the volume of the object.

**Question # 6 of 10 ( Start time: 02:49:09 PM, 07 January 2022 )**

Which of the quantity is dimensionless?

**Select the correct option**

|                       |                       |
|-----------------------|-----------------------|
| <input type="radio"/> | Modulus of elasticity |
| <input type="radio"/> | Stress                |
| <input type="radio"/> | Entropy               |
| <input type="radio"/> | Strain                |

**Question # 3 of 10 ( Start time: 02:48:08 PM, 07 January 2022 )**

When a particle moving along a circular path, its projection along the diameter executes:

**Select the correct option**

|                       |                        |
|-----------------------|------------------------|
| <input type="radio"/> | Vibratory motion       |
| <input type="radio"/> | Linear motion          |
| <input type="radio"/> | Simple harmonic motion |
| <input type="radio"/> | Rotatory motion        |





Which of the following statements are TRUE of sound waves? Identify all that apply.

Select the correct option

- |                       |                                                                                          |
|-----------------------|------------------------------------------------------------------------------------------|
| <input type="radio"/> | To hear the sound of a tuning fork, the tines of the fork must move air from the fork to |
| <input type="radio"/> | A sound wave is a mechanical wave                                                        |
| <input type="radio"/> | Sound can travel through a vacuum                                                        |
| <input type="radio"/> | A sound wave is a transverse wave                                                        |

Click to



## PHY101 – Physics (2nd online quiz of Physics (PHY101))

Question # 2 of 10 ( Start time: 02:45:50 PM, 07 January 2022 )

We will apply the condition of equilibrium to situations in which all forces are:

Select the correct option

- |                                  |               |
|----------------------------------|---------------|
| <input type="radio"/>            | Coplanar      |
| <input type="radio"/>            | Upward        |
| <input type="radio"/>            | Straight line |
| <input checked="" type="radio"/> | Downward      |



Question # 4 of 10 ( Start time: 02:45:53 PM, 07 January 2022 )

A ball is thrown upward into the air with a speed that is greater than terminal speed. It lands at the same height it was thrown. During its flight the force of air resistance is the greatest:

Select the correct option



halfway down



just after it is thrown



half way up



at the top of its trajectory

Click to Save Answer



Physics (2nd online quiz on Physics (111101))

Question # 3 of 10 ( **Start time: 02:44:26 PM, 07 January 2022** )

Let M denote the mass of Earth and let R denote its radius. The ratio  $g/G$  at Earth's surface

Select the correct option



$MR^2$



$R^2/M$



$M/R$



$M/R^2$

Click to



Question # 2 of 10 ( Start time: 02:42:28 PM, 07 January 2022 )

A sphere of moment on inertia  $I$  rolls down an inclined plane without slipping. The ratio of translational kinetic energy is nearly:

Select the correct option

☐  $5/2$

☐  $5/7$

☐  $2/5$

☐  $7/5$

Click to

SI Unit of time period is -----

Select the correct option

- ☐ minute
- ☐ nanosecond
- ☐ second
- ☐ hour

Activate Windows  
Go to Settings to activate Windows.

Question # 4 of 10 ( Start time: 04:15:41 AM, 06 January 2022 )

Total Marks: 1

The flow rate of blood through the average human aorta is about  $9.0 \times 10^1 \text{ cm}^3/\text{s}$ . If the aorta has a radius of 1.0 cm, what is the velocity of the blood flow?

Select the correct option

- ☐ 14 cm/s
- ☐ 29 cm/s
- ☐ 37 cm/s
- ☐ 32 cm/s

Activate Windows  
Go to Settings to activate Windows.

## Question # 3 of 10 ( Start time: 04:14:18 AM, 06 January 2022 )

Total Marks: 1

A municipal water supply is provided by a tall water tower. Water from this tower flows to a building. How does the water flow out of a faucet on the ground floor of a building compare with the water flow out of an identical faucet on the second floor of the building?

## Select the correct option

- ☐ The speed of the water flow cannot be determined unless the height of the water tower is known.
- ☐ Water flows more rapidly out of the second-floor faucet.
- ☐ Water flows at the same speed out of both faucets.
- ☐ Water flows more rapidly out of the ground-floor faucet.

Activate Windows  
Go to Settings to activate Windows.



Question # 2 of 10 ( Start time: 04:12:01 AM, 06 January 2022 )

Total Marks: 1

Newton-second is SI unit of:

Select the correct option

☐

Acceleration

☐

Impulse

☐

Angular momentum

☐

Torque

Activate Windows

[Go to Settings to activate Windows.](#)

Type here to search



11°C

4:13 AM  
1/6/2022

Final take off velocity of an airplane is 67 m/s. The length of runway is 2 km, the constant acceleration is:

Select the correct option

☐

3.24 ms<sup>-2</sup>

☐

3.24 ms<sup>-1</sup>

☐

2.24 ms<sup>-2</sup>

The body may be considered as a point object, the orbital radius is:

Select the correct option

Reload Math Equations

☐

Smaller as compared to the size of the body

☐

Larger as compared to the size of the body

☐

Equal as compared to the size of the body

☐

Parallel as compared to the size of the body

Question # 8 of 10 ( Start time: 01:20:10 PM, 06 January 2022 )

Total Marks: 1

A sphere of moment on inertia  $I$  rolls down an inclined plane without slipping. The ratio of the rotational kinetic energy to the transitional kinetic energy is nearly:

Select the correct option

☐

5/7

☐

7/5

☐

5/2

☒

2/5

## Question # 6 of 10 ( Start time: 01:18:01 PM, 06 January 2022 )

Total Marks: 1

Which of the following has the smallest moment of inertia about the central axis if all have equal masses and radii?

Select the correct option

 Reload Math Equations

- |                                  |                 |
|----------------------------------|-----------------|
| <input type="radio"/>            | Ring            |
| <input type="radio"/>            | Spherical shell |
| <input checked="" type="radio"/> | Disc            |
| <input type="radio"/>            | Sphere          |

 Click to Save Answer & Move to Next Question

Question # 5 of 10 ( Start time: 01:17:19 PM, 06 January 2022 )

Total Marks: 1

In ..... object moves farther away from its original position if displaced slightly

Select the correct option



unstable equilibrium



rotational equilibrium



stable equilibrium



dynamic equilibrium

Question # 3 of 10 ( Start time: 01:14:45 PM, 06 January 2022 )

Total Marks: 1

Which pair will always have the same magnitude to the rate of change of position?

Select the correct option

|                       |                                                |
|-----------------------|------------------------------------------------|
| <input type="radio"/> | Average speed and instantaneous speed          |
| <input type="radio"/> | Instantaneous speed and instantaneous velocity |
| <input type="radio"/> | Average speed and average velocity             |
| <input type="radio"/> | Average velocity and instantaneous velocity    |

Question # 2 of 10 ( Start time: 01:13:59 PM, 06 January 2022 )

Total Marks: 1

The speed of a wave depends upon (i.e., is causally affected by)...

Select the correct option

☐

The wavelength of the wave.

☒

Both the wavelength and the frequency of the wave.

☐

The properties of the medium through which the wave travels

☐

The frequency of the wave.



Question # 10 of 10 ( Start time: 01:11:14 PM, 06 January 2022 )

Total Marks: 1

Force is a:

Select the correct option

|                                  |                    |
|----------------------------------|--------------------|
| <input type="radio"/>            | Base quantity      |
| <input type="radio"/>            | Scalar quantity    |
| <input type="radio"/>            | Derived quantity   |
| <input checked="" type="radio"/> | Universal quantity |

## Question # 7 of 10 ( Start time: 01:07:54 PM, 06 January 2022 )

Total Marks: 1

A certain wire stretches 0.90 cm when outward forces with magnitude  $F$  are applied to each end. The same forces are applied to a wire of the same material but with three times the diameter and three times the length. The second wire stretches:

Select the correct option

☐ 0.10 cm☒ 0.30 cm☐ 0.90 cm☐ 2.7 cm

Question # 6 of 10 ( Start time: 01:06:43 PM, 06 January 2022 )

Total Marks: 1

The fundamental dimensions of angular momentum are

▶ Select the correct option

|                       |         |
|-----------------------|---------|
| <input type="radio"/> | MLT-1   |
| <input type="radio"/> | ML-2T-2 |
| <input type="radio"/> | ML2T-1  |
| <input type="radio"/> | ML2T-2  |

Question # 3 of 10 ( Start time: 01:03:54 PM, 06 January 2022 )

Total Marks: 1

The product of force and time is called change in:

Select the correct option

☐

work

☐

Angular acceleration

☐

Force

☒

Momentum

Question # 1 of 10 ( Start time: 01:02:46 PM, 06 January 2022 )

Total Marks: 1

Suitable units for the gravitational constant  $G$  are:

Select the correct option

|                                  |                        |
|----------------------------------|------------------------|
| <input checked="" type="radio"/> | $m^3 / (kg \cdot s^2)$ |
| <input type="radio"/>            | $kg \cdot m / s^2$     |
| <input type="radio"/>            | $N \cdot s / m$        |
| <input type="radio"/>            | $m / s^2$              |

Question # 10 of 10 ( Start time: 01:00:45 PM, 06 January 2022 )

Total Marks: 1

The turning effect of a force is called the force's

Select the correct option



torque/moment



inertia



momentum



distance

Question # 9 of 10 ( Start time: 12:59:32 PM, 06 January 2022 )

Total Marks: 1

If the force acting on a body is doubled then the acceleration becomes:

Select the correct option

|                                  |            |
|----------------------------------|------------|
| <input type="radio"/>            | Constant   |
| <input type="radio"/>            | Half       |
| <input type="radio"/>            | One fourth |
| <input checked="" type="radio"/> | Double     |

Question # 8 of 10 ( Start time: 12:58:58 PM, 06 January 2022 )

Total Marks: 1

If the distance between all pairs of particles of the body do not change by applying a force then the body is said to be

Select the correct option

|                                  |          |
|----------------------------------|----------|
| <input type="radio"/>            | large    |
| <input type="radio"/>            | small    |
| <input checked="" type="radio"/> | rigid    |
| <input type="radio"/>            | flexible |



Question # 7 of 10 ( Start time: 12:58:08 PM, 06 January 2022 )

Total Marks: 1

A couple produces:

Select the correct option

|                                  |                              |
|----------------------------------|------------------------------|
| <input type="radio"/>            | No motion                    |
| <input checked="" type="radio"/> | Purely rotational motion     |
| <input type="radio"/>            | Purely linear motion         |
| <input type="radio"/>            | Linear and rotational motion |

Question # 5 of 10 ( Start time: 12:56:29 PM, 06 January 2022 )

Total Marks: 1

If  $F$  is the force acting on the test charge  $q_0$ , the electric field intensity  $E$  would be given by

Select the correct option

- |                                  |               |
|----------------------------------|---------------|
| <input checked="" type="radio"/> | $E = F/q_0$   |
| <input type="radio"/>            | $E = q_0/F$   |
| <input type="radio"/>            | $E = F - q_0$ |
| <input type="radio"/>            | $E = F + q_0$ |

Question # 4 of 10 ( Start time: 12:55:14 PM, 06 January 2022 )

Total Marks: 1

One revolution per minute is about:

Select the correct option

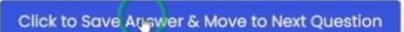
|                       |              |
|-----------------------|--------------|
| <input type="radio"/> | 0.95 rad/s   |
| <input type="radio"/> | 0.0524 rad/s |
| <input type="radio"/> | 0.105 rad/s  |
| <input type="radio"/> | 1.57 rad/s   |

Question # 3 of 10 ( Start time: 12:54:25 PM, 06 January 2022 )

Total Marks: 1

Stress is defined in terms of:

Select the correct option

 Reload Math Equations☒ Deformation☐ Newtons☐ Applied force☐ Formation Click to Save Answer & Move to Next Question



BC200414332: YASIR KHAN

Time Left 89  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 08:04 AM, 07 January 2022

Question # 10 of 10 ( Start time: 08:22:20 AM, 07 January 2022 )

Total Marks: 1

A man, with his arms at his sides, is spinning on a light frictionless turntable. When he extends his arms:

Select the correct option

- |                       |                                       |
|-----------------------|---------------------------------------|
| <input type="radio"/> | his angular velocity increases        |
| <input type="radio"/> | his rotational inertia decreases      |
| <input type="radio"/> | his angular momentum remains the same |
| <input type="radio"/> | his angular velocity remains the same |

[Click to Save Answer & Move to Next Question](#)



BC200414332: YASIR KHAN

Time Left 89  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 08:04 AM, 07 January 2022

Question # 10 of 10 ( Start time: 08:22:20 AM, 07 January 2022 )

Total Marks: 1

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- |                       |                                       |
|-----------------------|---------------------------------------|
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| <input type="radio"/> | his rotational inertia decreases      |
| <input type="radio"/> | his angular momentum remains the same |
| <input type="radio"/> | his angular velocity remains the same |

[Click to Save Answer & Move to Next Question](#)



BC200414332: YASIR KHAN

Time Left 90  
sec(s)

PHY101 – Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 08:04 AM, 07 January 2022

Question # 9 of 10 ( Start time: 08:20:53 AM, 07 January 2022 )

Total Marks: 1

Which one is vector quantity:

Select the correct option

|                       |          |
|-----------------------|----------|
| <input type="radio"/> | Velocity |
| <input type="radio"/> | Length   |
| <input type="radio"/> | Volume   |
| <input type="radio"/> | Work     |

Click to Save Answer & Move to Next Question





BC200414332: YASIR KHAN

Time Left 90  
sec(s)

PHY101 – Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 08:04 AM, 07 January 2022

Question # 9 of 10 ( Start time: 08:20:53 AM, 07 January 2022 )

Total Marks: 1

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Select the correct option

|                       |          |
|-----------------------|----------|
| <input type="radio"/> | Velocity |
| <input type="radio"/> | Length   |
| <input type="radio"/> | Volume   |
| <input type="radio"/> | Work     |

Click to Save Answer & Move to Next Question







BC200414332: YASIR KHAN

Time Left

90

sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 08:04 AM, 07 January 2022

Question # 8 of 10 ( Start time: 08:19:10 AM, 07 January 2022 )

Total Marks: 1

The gravitational constant  $G$  has the derived units:

Select the correct option

- |                       |                      |
|-----------------------|----------------------|
| <input type="radio"/> | $N \cdot m$          |
| <input type="radio"/> | $N \cdot m^2 / kg^2$ |
| <input type="radio"/> | $N \cdot kg / m$     |
| <input type="radio"/> | $N \cdot m / kg$     |

Click to Save Answer &amp; Move to Next Question





BC200414332: YASIR KHAN

Time Left

90

sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 08:04 AM, 07 January 2022

Question # 8 of 10 ( Start time: 08:19:10 AM, 07 January 2022 )

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Select the correct option

- |                       |                      |
|-----------------------|----------------------|
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| <input type="radio"/> | $N \cdot m^2 / kg^2$ |
| <input type="radio"/> | $N \cdot kg / m$     |
| <input type="radio"/> | $N \cdot m / kg$     |

Click to Save Answer &amp; Move to Next Question





BC200414332: YASIR KHAN

Time Left 90  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 08:04 AM, 07 January 2022

Question # 7 of 10 ( Start time: 08:17:28 AM, 07 January 2022 )

Total Marks: 1

Per-second refers to the dimensions of physical quantity:

Select the correct option

- |                       |             |
|-----------------------|-------------|
| <input type="radio"/> | Force       |
| <input type="radio"/> | Velocity    |
| <input type="radio"/> | Frequency   |
| <input type="radio"/> | Time period |

Click to Save Answer & Move to Next Question





BC200414332: YASIR KHAN

Time Left 90  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 08:04 AM, 07 January 2022

Question # 7 of 10 ( Start time: 08:17:28 AM, 07 January 2022 )

Total Marks: 1

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Select the correct option

- |                       |             |
|-----------------------|-------------|
| <input type="radio"/> | Force       |
| <input type="radio"/> | Velocity    |
| <input type="radio"/> | Frequency   |
| <input type="radio"/> | Time period |

Click to Save Answer & Move to Next Question





BC200414332: YASIR KHAN

Time Left 89 sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 08:04 AM, 07 January 2022

Question # 6 of 10 ( Start time: 08:15:48 AM, 07 January 2022 )

Total Marks: 1

When body moves with constant acceleration the velocity time graph is:

Select the correct option

- |                       |               |
|-----------------------|---------------|
| <input type="radio"/> | Hyperbola     |
| <input type="radio"/> | Straight line |
| <input type="radio"/> | Curve         |
| <input type="radio"/> | Parabola      |

Click to Save Answer & Move to Next Question





BC200414332: YASIR KHAN

Time Left 89 sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 08:04 AM, 07 January 2022

Question # 6 of 10 ( Start time: 08:15:48 AM, 07 January 2022 )

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- |                       |               |
|-----------------------|---------------|
| <input type="radio"/> | Hyperbola     |
| <input type="radio"/> | Straight line |
| <input type="radio"/> | Curve         |
| <input type="radio"/> | Parabola      |

Click to Save Answer & Move to Next Question





BC200414332: YASIR KHAN

Time Left 89  
sec(s)

PHY101 - Physics (2nd online quiz of Physics (PHY101))

Quiz Start Time: 08:04 AM, 07 January 2022

Question # 5 of 10 ( Start time: 08:13:40 AM, 07 January 2022 )

Total Marks: 1

A water tunnel has a circular cross section where the diameter diminishes from 3.6 m to 1.2 m. If the velocity of water flow is 3.0 m/s in the larger part of the tunnel, what is the velocity of flow in the smaller part of the tunnel?

Select the correct option

- |                       |         |
|-----------------------|---------|
| <input type="radio"/> | 18 m/s  |
| <input type="radio"/> | 54 m/s  |
| <input type="radio"/> | 27 m/s  |
| <input type="radio"/> | 9.0 m/s |

Click to Save Answer &amp; Move to Next Question



Question # 1 of 10 ( Start time: 12:52:43 PM, 06 January 2022 )

Total Marks: 1

Example of physical quantity is:

Select the correct option

☐

Effect of music

☐

Colour

☒

Length

☐

Sound



Question # 10 of 10 ( Start time: 12:50:23 PM, 06 January 2022 )

Total Marks: 1

when a body moves in a circle, the angle between its linear velocity and angular velocity:

Select the correct option

|                                  |     |
|----------------------------------|-----|
| <input type="radio"/>            | 180 |
| <input type="radio"/>            | 0   |
| <input type="radio"/>            | 45  |
| <input checked="" type="radio"/> | 90  |

Question # 5 of 10 ( Start time: 12:43:26 PM, 06 January 2022 )

Total Marks: 1

A heavy particle moving with 5 m/s suffers an elastic collision with a light particle at rest. After collision, the velocity of light particle will be:



Select the correct option

|                                  |         |
|----------------------------------|---------|
| <input type="radio"/>            | 2.5 m/s |
| <input type="radio"/>            | 5 m/s   |
| <input type="radio"/>            | 20 m/s  |
| <input checked="" type="radio"/> | 10 m/s  |

Question # 4 of 10 ( Start time: 12:42:30 PM, 06 January 2022 )

Total Marks: 1

If the force acting on a body is doubled then the acceleration becomes:

Select the correct option



Double



Half



Constant



One fourth

Question # 2 of 10 ( Start time: 12:40:28 PM, 06 January 2022 )

Total Marks: 1

Which pair will always have the same magnitude to the rate of change of position?

Select the correct option

☐

Average velocity and instantaneous velocity

☐

Average speed and average velocity

☐

Average speed and instantaneous speed

☐ instantaneous speed and instantaneous velocity

Question # 1 of 10 ( Start time: 12:39:45 PM, 06 January 2022 )

Total Marks: 1

Before the density of an object can be found, what two measurements are required?

Select the correct option

|                                  |                        |
|----------------------------------|------------------------|
| <input type="radio"/>            | temperature and volume |
| <input type="radio"/>            | volume and length      |
| <input type="radio"/>            | mass and length        |
| <input checked="" type="radio"/> | mass and volume        |

Question # 8 of 10 ( Start time: 12:32:52 PM, 06 January 2022 )

Total Marks: 1

If a gymnasium sitting on a stool with his arms stretched lowers his arms:

Select the correct option

[Reload Math Equations](#)☐

Remain same

☐

The angular speed increases

☒

The angular speed decreases

☐

Become zero

[Click to Save Answer & Move to Next Question](#)

Question # 7 of 10 ( Start time: 12:32:02 PM, 06 January 2022 )

Total Marks: 1

The angle between rectangular components of a vector is:

Select the correct option

|                                  |     |
|----------------------------------|-----|
| <input type="radio"/>            | 45° |
| <input type="radio"/>            | 0°  |
| <input checked="" type="radio"/> | 90° |
| <input type="radio"/>            | 60° |

Question # 4 of 10 ( Start time: 12:28:20 PM, 06 January 2022 )

Total Marks: 1

The value of  $k$  in coulomb's law depends upon

Select the correct option

- |                                  |                            |
|----------------------------------|----------------------------|
| <input type="radio"/>            | medium between two charges |
| <input type="radio"/>            | magnitude of charges       |
| <input checked="" type="radio"/> | all of these               |
| <input type="radio"/>            | distance between charges   |



Question # 3 of 10 ( Start time: 12:27:21 PM, 06 January 2022 )

Total Marks: 1

A rocket ship is coasting toward a planet. Its captain wishes to know the value of  $g$  at the surface of the planet. This may be inferred by:

Select the correct option

☐

measuring  $g$  the diameter of the planet

☐

measuring the density of the planet

☒

measuring the apparent weight of an object of known mass in the ship

☐

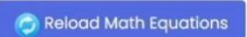
observing the ship's acceleration and correcting for the distance from the center of the planet:

Question # 1 of 10 ( Start time: 12:24:00 PM, 06 January 2022 )

Total Marks: 1

Stress can be measured in:

Select the correct option

 Reload Math Equations

- |                                  |                  |
|----------------------------------|------------------|
| <input type="radio"/>            | N/m              |
| <input type="radio"/>            | N·m <sup>2</sup> |
| <input type="radio"/>            | N·m              |
| <input checked="" type="radio"/> | N/m <sup>2</sup> |

Question # 8 of 10 ( Start time: 12:20:04 PM, 06 January 2022 )

Total Marks: 1

A body is changing its direction but its speed is constant, the object is:

Select the correct option

|                                  |              |
|----------------------------------|--------------|
| <input type="radio"/>            | speeding     |
| <input type="radio"/>            | slowing down |
| <input type="radio"/>            | Displacing   |
| <input checked="" type="radio"/> | accelerating |

Question # 7 of 10 ( Start time: 12:19:15 PM, 06 January 2022 )

Total Marks: 1

The physical quantity, which oscillates in most waves, is

Select the correct option

|                                  |            |
|----------------------------------|------------|
| <input type="radio"/>            | wavelength |
| <input type="radio"/>            | mass       |
| <input checked="" type="radio"/> | amplitude  |
| <input type="radio"/>            | energy     |

## Question # 6 of 10 ( Start time: 12:18:14 PM, 06 January 2022 )

Total Marks: 1

If the speed of sound is 340m/s a plane flying at 400m/s creates a conical shock wave with an apex half angle of:

Select the correct option

- |                       |                   |
|-----------------------|-------------------|
| <input type="radio"/> | 0 (no shock wave) |
| <input type="radio"/> | 32°               |
| <input type="radio"/> | 58°               |
| <input type="radio"/> | 40°               |

Question # 5 of 10 ( Start time: 12:17:26 PM, 06 January 2022 )

Total Marks: 1

When a particle moving along a circular path, its projection along the diameter executes:

Select the correct option

 Reload Math Equations

- |                                  |                        |
|----------------------------------|------------------------|
| <input type="radio"/>            | Vibratory motion       |
| <input checked="" type="radio"/> | Rotatory motion        |
| <input type="radio"/>            | Simple harmonic motion |
| <input type="radio"/>            | Linear motion          |

Click to Save Answer &amp; Move to Next Question

Question # 4 of 10 ( Start time: 12:16:04 PM, 06 January 2022 )

Total Marks: 1

The approximate value of  $g$  at an altitude above Earth equal to one Earth diameter is:

Select the correct option

- |                                  |                     |
|----------------------------------|---------------------|
| <input checked="" type="radio"/> | 1.1m/s <sup>2</sup> |
| <input type="radio"/>            | 1.9m/s <sup>2</sup> |
| <input type="radio"/>            | 4.9m/s <sup>2</sup> |
| <input type="radio"/>            | 2.5m/s <sup>2</sup> |

 Click to Save Answer & Move to Next Question

Question # 3 of 10 ( Start time: 12:14:47 PM, 06 January 2022 )

Total Marks: 1

Which of the following statement is true?

Select the correct option

- |                                  |                                                      |
|----------------------------------|------------------------------------------------------|
| <input checked="" type="radio"/> | Mass depends on gravity, weight does not             |
| <input type="radio"/>            | Heavier objects weigh more than light objects        |
| <input type="radio"/>            | Gravity is necessary to measure both weight and mass |
| <input type="radio"/>            | Weight is a force, mass is a measure of inertia      |

Saving...





BC200201052: MUHAMMAD USMAN

Time Left  
57  
sec(s)

CS601 - Data Communication (Quiz 1)

Quiz Start Time: 11:26 PM, 05 January 2022

Question # 10 of 10 ( Start time: 11:37:21 PM, 05 January 2022 )

Total Marks: 1

Narrow bands of light in wave division multiplexing are denoted by \_\_\_\_\_

Select the correct option

|                       |           |
|-----------------------|-----------|
| <input type="radio"/> | $\lambda$ |
| <input type="radio"/> | $\beta$   |
| <input type="radio"/> | $\alpha$  |
| <input type="radio"/> | $\pi$     |

Click to Save Answer &amp; Move to Next Question

Question # 10 of 10 (Start time: 10:11:07 PM, 05 January 2022)

Total Marks: 1

A standard POS form has \_\_\_\_\_ terms that have all the variables in the domain of the expression.

Select the correct option

|                       |           |
|-----------------------|-----------|
| <input type="radio"/> | Sum       |
| <input type="radio"/> | Product   |
| <input type="radio"/> | Composite |
| <input type="radio"/> | Min       |

[Click to Save Answer & Move to Next Question](#)



