

Question # 6 of 30 (Start time: 01:10:54 PM, 18 December 2021)

When brakes are applied to a fast moving car, the passenger will be thrown

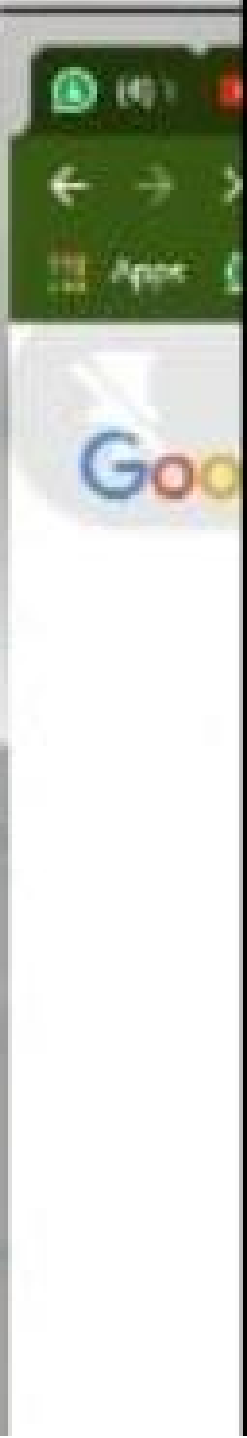
Select the correct option

Downward

Backward

Forward

Upward



Question # 10 of 10 (Start time: 01:58:08 PM, 18 December 2021)

Which one is vector quantity.

Select the correct option

- | | | |
|----------------------------------|----------|--|
| <input type="radio"/> | Velocity |  |
| <input type="radio"/> | Length | |
| <input type="radio"/> | Volume | |
| <input checked="" type="radio"/> | Work |  |

The area under the velocity time graph is:

Select the correct option

<input type="radio"/>	Distance	
<input type="radio"/>	Force	
<input type="radio"/>	Acceleration	
<input type="radio"/>	Torque	

Question # 5 of 10 (Start time: 12:57:31 PM, 18 December 2021)

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



Half of the velocity



Double velocity

Question # 1 of 10 (Start time: 01:38:23 PM, 18 December 2021)

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


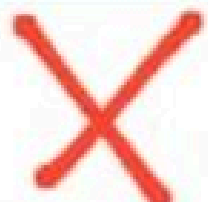
- $2mgh$
- Zero
- mgh
- $\frac{1}{2}mv^2$



Question # 9 of 10 (Start time: 01:23:55 PM, 18 December 2021)

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

Select the correct option

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



Question #10 of 10 (start time: 12:18:23 PM, 18 December 2021)

Total Marks: 1

Acceleration in a body is always produced in the direction of:

Select the correct option

<input checked="" type="radio"/>	Force	
<input type="radio"/>	Weight	
<input type="radio"/>	Acceleration	
<input type="radio"/>	Velocity	

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



BC210410874; ANJLEENA MANZOOR

Time Left 78 min(s)

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 11:49 AM, 18 December 2021

Question # 8 of 10 (Start time: 11:55:57 AM, 18 December 2021)

Total Marks: /

Work has dimensions like:

Select the correct option

- Momentum
- Power
- Torque
- velocity

Click to Save Answer & Move to Next Question





BC210410874; ANJLEENA MANZOOR

Time Left
02
min(s)

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 11:49 AM, 18 December 2021

Question # 7 of 10 (start time: 11:54:58 AM, 18 December 2021)

Total Marks: /

Unit of distance is:

Select the correct option

- | | |
|----------------------------------|------------|
| <input type="radio"/> | kilo gram |
| <input checked="" type="radio"/> | light year |
| <input type="radio"/> | second |
| <input type="radio"/> | Mole |

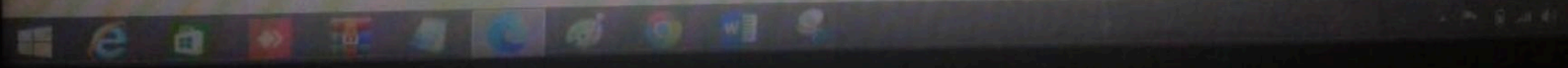
[Click to Save Answer & Move to Next Question](#)

Question # 9 of 10 (Start time: 11:51:36 AM, 18 December 2021)

acceleration of an object must be zero at a point where:

Select the correct option

- the instantaneous velocity is not zero but changing
- the instantaneous velocity is constant
- the average velocity is zero
- the instantaneous velocity is zero but changing



Question # 1 of 10 (Start time: 11:48:58 AM, 18 December 2021)

Total Marks: 1

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

Select the correct option



have no change



become zero



be increased



be decreased

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

BC210422930: MUNEEBA ASLAM

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 12:14:32 PM, 18 December 2021

Question # 7 of 10 (Start time: 12:14:32 PM, 18 December 2021)

What sort of energy does flying bird posses?

Select the correct option



Elastic energy



Potential energy



Kinetic energy



Both potential and kinetic energy



Click to Save Answer &



BC210426819: NIMRA SHOUKAT

Time Left 89
sec(s)

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 12:04 PM, 18 December 2021

Question # 8 of 10 (start time: 12:13:19 PM, 18 December 2021)

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

- the force of the engine on the drive shaft
- the normal force of the road on the tires
- the force of your foot on the accelerator
- the force of friction of the road on the tires

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



BC210422930: MUNEEBA ASLAM

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time

Question # 4 of 10 (Start time: 12:11:09 PM, 18 December 2021)

If you travelled for 2.5 hours with an average speed 48 miles/hours, the distance travelled is:

Select the correct option

- | | |
|-----------------------|------------|
| <input type="radio"/> | 120 miles |
| <input type="radio"/> | 300 miles |
| <input type="radio"/> | 19.2 miles |
| <input type="radio"/> | 48 miles |

[Click to Save Answer](#)



BC210426819: NIMRA SHOUKAT

Time Left 82 sec(s)

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 12:04 PM, 18 December 2021

Question # 10 of 10 (start time: 12:16:56 PM, 18 December 2021)

Total Marks: 1

Physics is one of the branches of:

Select the correct option

- Biological sciences
- Social physics
- Abstract art
- Physical sciences

Click to Save Answer & Move to Next Question



BC210426819: NIMRA SHOUKAT

Time Left 82 sec(s)

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 12:04 PM, 18 December 2021

Question # 10 of 10 (start time: 12:16:56 PM, 18 December 2021)

Total Marks: 1

Physics is one of the branches of:

Select the correct option

- Biological sciences
- Social physics
- Abstract art
- Physical sciences

Click to Save Answer & Move to Next Question



BC210415099: AMINA BIBI

Time Left 89
sec(s)

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 11:25 AM, 18 December 2021

Question # 8 of 10 (Start time: 11:35:19 AM, 18 December 2021)

Total Marks: 1

motion defines by the pair of variables:

Select the correct option

- Change of position and passage of time
- Time and momentum
- Speed and distance
- Speed and passage of time

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



BC210422930: MUNEEBA ASLAM

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 12:08

Question # 5 of 10 (Start time: 12:12:49 PM, 18 December 2021)

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

Select the correct option

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

[Click to Save Answer & Move](#)



BC210426819: NIMRA SHOUKAT

Time Left 89
sec(s)

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 12:04 PM, 18 December 2021

Question # 6 of 10 (start time: 12:10:37 PM, 18 December 2021)

Total Marks: 1

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

is

Select the correct option

- | | |
|----------------------------------|----------------|
| <input type="radio"/> | Decreases |
| <input checked="" type="radio"/> | Increases |
| <input type="radio"/> | Stays constant |
| <input type="radio"/> | Becomes zero |

Click to Save Answer & Move to Next Question

Question # 6 of 10 (Start time: 11:47:54 AM, 18 December 2021)

Example of physical quantity is:

Select the correct option

Length

Colour

Sound

Effect of music

Work may be done by

Select the correct option

- | | |
|----------------------------------|--|
| <input type="radio"/> | both living organisms and non-living objects |
| <input checked="" type="radio"/> | only living organisms |
| <input type="radio"/> | only non-living objects |
| <input type="radio"/> | only vehicles |



BC210415099: AMINA DIBI

Time Left 88
sec(s)

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 11:25 AM, 18 December 2021

Question # 4 of 10 (Start time: 11:28:07 AM, 18 December 2021)

Total Marks: 1

Change in momentum in one second is called:

Select the correct option

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

Click to Save Answer & Move to Next Question





BC210415099: AMINA BIBI

Time Left 89
sec(s)

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 11:25 AM, 18 December 2021

Question # 8 of 10 (Start time: 11:35:19 AM, 18 December 2021)

Total Marks: 1

motion defines by the pair of variables:

Select the correct option

- Change of position and passage of time
- Time and momentum
- Speed and distance
- Speed and passage of time

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

Question # 2 of 10 (Start time: 11:44:10 AM, 18 December 2021)

Newton-second is SI unit of:

Select the correct option

Impulse

Angular momentum

Torque

Acceleration

Question # 10 of 10 (Start time: 11:40:12 AM, 18 December 2021)

An elastic collision is one in which:

Select the correct option

- momentum is conserved but kinetic energy is not conserved
- momentum is not conserved but kinetic energy is conserved
- total mass is not conserved but momentum is conserved
- kinetic energy and momentum are both conserved

Question # 1 of 10 (Start time: 11:42:54 AM, 19 December 2021)

If the slope of velocity-time graph is a straight line such that $\tan \theta = 1$ at each point, then graph represents:

Select the correct option

- Variable velocity
- Uniform acceleration
- Uniform velocity
- Variable acceleration



Question # 5 of 10 (Start time: 11:46:48 AM, 18 December 2021)

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

Select the correct option

- negative
- position
- normal
- unit





BC210415099: AMINA DIBI

Time Left 87
sec(s)

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 11:25 AM, 18 December 2021

Question # 9 of 10 (Start time: 11:36:27 AM, 18 December 2021)

Total Marks: 1

Physics is one of the branches of:

Select the correct option

- | | |
|----------------------------------|---------------------|
| <input type="radio"/> | Biological sciences |
| <input type="radio"/> | Social physics |
| <input type="radio"/> | Abstract art |
| <input checked="" type="radio"/> | Physical sciences |

Click to Save Answer & Move to Next Question



BC210415099: AMINA DIBI

Time Left 87
sec(s)

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 11:25 AM, 18 December 2021

Question # 10 of 10 (Start time: 11:38:42 AM, 18 December 2021)

Total Marks: 1

Per-second refers to the dimensions of physical quantity:

Select the correct option

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

Click to Save Answer & Move to Next Question





BC210415099: AMINA DIBI

Time Left 87
sec(s)

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 11:25 AM, 18 December 2021

Question # 10 of 10 (Start time: 11:38:42 AM, 18 December 2021)

Total Marks: 1

Per-second refers to the dimensions of physical quantity:

Select the correct option

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

Click to Save Answer & Move to Next Question





BC210415099: AMINA DIBI

Time Left 88
sec(s)

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 11:25 AM, 18 December 2021

Question # 6 of 10 (Start time: 11:31:43 AM, 18 December 2021)

Total Marks: 1

A qualitative definition of force is given by which law?

Select the correct option

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

Click to Save Answer & Move to Next Question





BC210415099: AMINA DIBI

Time Left 88
sec(s)

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 11:25 AM, 18 December 2021

Question # 6 of 10 (Start time: 11:31:43 AM, 18 December 2021)

Total Marks: 1

A qualitative definition of force is given by which law?

Select the correct option

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

Click to Save Answer & Move to Next Question



Question # 7 of 10 (Start time: 11:33:27 AM, 18 December 2021)

Total Marks

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

Click to Save Answer & Move to Next Question



BC210422580: HAFIZ MUHAMMAD JUNAID

Time Left 89
sec(s)

PHY101 – Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 11:31 AM, 18 December 2021

Question # 1 of 10 (Start time: 11:31:41 AM, 18 December 2021)

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 checked="" type="radio"/> | Smaller acceleration for smaller mass |
| <input type="radio"/> | Variable |
| <input type="radio"/> | The same |
| <input type="radio"/> | None of these |

Click to Save Answer & Move to Next Question

When body moves with constant acceleration the velocity time graph is:



KIKI MASTER

Select the correct option

<input type="radio"/>	Parabola
<input checked="" type="radio"/>	Straight line
<input type="radio"/>	Hyperbola
<input type="radio"/>	Curve

Saving



BC210426819: NIMRA SHOUKAT

Time Left 89
sec(s)

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 12:04 PM, 18 December 2021

Question # 8 of 10 (start time: 12:13:19 PM, 18 December 2021)

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

- the force of the engine on the drive shaft
- the normal force of the road on the tires
- the force of your foot on the accelerator
- the force of friction of the road on the tires

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



BC210426819: NIMRA SHOUKAT

Time Left 88
sec(s)

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 12:04 PM, 18 December 2021

Question # 3 of 10 (Start time: 12:05:14 PM, 18 December 2021)

Total Marks: 1

the projectile path is known as its:

Select the correct option

- | | |
|-----------------------|----------------|
| <input type="radio"/> | trajectory |
| <input type="radio"/> | time of action |
| <input type="radio"/> | curve |
| <input type="radio"/> | range |

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



BC210426819: NIMRA SHOUKAT

Time Left 88
sec(s)

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 12:04 PM, 18 December 2021

Question # 3 of 10 (Start time: 12:05:14 PM, 18 December 2021)

Total Marks: 1

the projectile path is known as its:

Select the correct option

- | | |
|-----------------------|----------------|
| <input type="radio"/> | trajectory |
| <input type="radio"/> | time of action |
| <input type="radio"/> | curve |
| <input type="radio"/> | range |

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



BC210422930: MUNEEBA ASLAM

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time

Question # 4 of 10 (Start time: 12:11:09 PM, 18 December 2021)

If you travelled for 2.5 hours with an average speed 48 miles/hours, the distance travelled is:

Select the correct option

- | | |
|----------------------------------|------------|
| <input checked="" type="radio"/> | 120 miles |
| <input type="radio"/> | 300 miles |
| <input type="radio"/> | 19.2 miles |
| <input type="radio"/> | 48 miles |

[Click to Save Answer](#)

If the total momentum of a system is changing:

Select the correct option

a net external force must be acting on the system

particles of the system must be exerting forces on each other

the system must be under the influence of gravity

the center of mass must have constant velocity



BC210426819: NIMRA SHOUKAT

Time Left 89
sec(s)

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 12:04 PM, 18 December 2021

Question # 9 of 10 (start time: 12:14:48 PM, 18 December 2021)

Total Marks: 1

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

 324 ms^{-1} 224 ms^{-2} 224 ms^{-1} 324 ms^{-2} [Click to Save Answer & Move to Next Question](#)



BC210426819: NIMRA SHOUKAT

Time Left 82 sec(s)

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 12:04 PM, 18 December 2021

Question # 10 of 10 (start time: 12:16:56 PM, 18 December 2021)

Total Marks: 1

Physics is one of the branches of:

Select the correct option

- Biological sciences
- Social physics
- Abstract art
- Physical sciences

Click to Save Answer & Move to Next Question



PHY101 - Physics (1st online quiz of Physics (PHY101))

Question # 3 of 10 (Start time: 12:09:44 PM, 18 December 2021)

An object moving in a circle at constant speed:

Select the correct option



must have only one force acting on it



has an acceleration of constant magnitude



is not accelerating



has no change in its direction





BC210426819: NIMRA SHOUKAT

Time Left 88
sec(s)

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 12:04 PM, 18 December 2021

Question # 5 of 10 (Start time: 12:09:31 PM, 18 December 2021)

Total Marks: 1

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

Select the correct option

- 1 ft - lb
- 10 J
- 0.1 J
- 1 J

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

Question # 10 of 10 (Start time: 11:40:12 AM, 18 December 2021)

An elastic collision is one in which:

Select the correct option

- momentum is conserved but kinetic energy is not conserved
- momentum is not conserved but kinetic energy is conserved
- total mass is not conserved but momentum is conserved
- kinetic energy and momentum are both conserved

Question # 1 of 10 (Start time: 11:42:54 AM, 19 December 2021)

If the slope of velocity-time graph is a straight line such that $\tan \theta = 1$ at each point, then graph represents:

Select the correct option

- Variable velocity
- Uniform acceleration
- Uniform velocity
- Variable acceleration

Question # 2 of 10 (Start time: 11:44:10 AM, 18 December 2021)

Newton-second is SI unit of:

Select the correct option

Impulse

Angular momentum

Torque

Acceleration

Question # 5 of 10 (Start time: 11:46:48 AM, 18 December 2021)

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

Select the correct option

- negative
- position
- normal
- unit





BC210415099: AMINA BIBI

Time Left 87
sec(s)

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 11:25 AM, 18 December 2021

Question # 2 of 10 (Start time: 11:27:22 AM, 18 December 2021)

Total Marks: 1

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

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

Click to Save Answer & Move to Next Question



BC210422580: HAFIZ MUHAMMAD JUNAID

Time Left 89
sec(s)

PHY101 – Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 11:31 AM, 18 December 2021

Question # 1 of 10 (Start time: 11:31:41 AM, 18 December 2021)

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"/> | Smaller acceleration for smaller mass |
| <input type="radio"/> | Variable |
| <input type="radio"/> | The same |
| <input type="radio"/> | None of these |

Click to Save Answer & Move to Next Question



BC210415099: AMINA BIBI

Time Left 88
sec(s)

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 11:25 AM, 18 December 2021

Question # 1 of 10 (Start time: 11:25:03 AM, 18 December 2021)

Total Marks: 1

Work done in gravitational field:

Select the correct option

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

Click to Save Answer & Move to Next Question





BC210415099: AMINA DIBI

Time Left 88
sec(s)

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 11:25 AM, 18 December 2021

Question # 4 of 10 (Start time: 11:29:07 AM, 18 December 2021)

Total Marks: 1

Change in momentum in one second is called:

Select the correct option

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

Click to Save Answer & Move to Next Question





BC210415099: AMINA DIBI

Time Left 88
sec(s)

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 11:25 AM, 18 December 2021

Question # 5 of 10 (Start time: 11:30:16 AM, 18 December 2021)

Total Marks: 1

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

Select the correct option

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

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



BC210415099: AMINA BIBI

Time Left 89
sec(s)

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 11:25 AM, 18 December 2021

Question # 8 of 10 (Start time: 11:35:19 AM, 18 December 2021)

Total Marks: 1

motion defines by the pair of variables:

Select the correct option

- | | |
|-----------------------|--|
| <input type="radio"/> | Change of position and passage of time |
| <input type="radio"/> | Time and momentum |
| <input type="radio"/> | Speed and distance |
| <input type="radio"/> | Speed and passage of time |

Click to Save Answer & Move to Next Question





BC210415099: AMINA BIBI

Time Left 89
sec(s)

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 11:25 AM, 18 December 2021

Question # 8 of 10 (Start time: 11:35:19 AM, 18 December 2021)

Total Marks: 1

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Select the correct option

- | | |
|-----------------------|--|
| <input type="radio"/> | Change of position and passage of time |
| <input type="radio"/> | Time and momentum |
| <input type="radio"/> | Speed and distance |
| <input type="radio"/> | Speed and passage of time |

Click to Save Answer & Move to Next Question





BC210415099: AMINA DIBI

Time Left 87
sec(s)

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 11:25 AM, 18 December 2021

Question # 9 of 10 (Start time: 11:36:27 AM, 18 December 2021)

Total Marks: 1

Physics is one of the branches of:

Select the correct option

- | | |
|-----------------------|---------------------|
| <input type="radio"/> | Biological sciences |
| <input type="radio"/> | Social physics |
| <input type="radio"/> | Abstract art |
| <input type="radio"/> | Physical sciences |

Click to Save Answer & Move to Next Question



Question # 4 of 10 (Start time: 11:45:41 AM, 18 December 2021)

Lighter objects always reach the ground later than heavier objects.

Which is the most suitable explanation for the above statement?

- i. There are some external forces acting on the objects, for example, the air friction.
- ii. A heavier object has a larger uniform velocity when it falls freely.
- iii. A heavier object has a larger acceleration due to gravity.

Select the correct option

(i) only

(i), (ii) and (iii)

(ii) only

(ii) and (iii) only





PHY101 - Physics (1st online quiz of Physics (PHY101))

Question # 1 of 10 (Start time: 12:08:03 PM, 18 December 2021)

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

is

Select the correct option

Decreases

Stays constant

Becomes zero

Increases

Click



BC210426819: NIMRA SHOUKAT

Time Left 74
sec(s)

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 12:04 PM, 18 December 2021

Question # 2 of 10 (start time: 12:05:05 PM, 18 December 2021)

Total Marks: 1

A qualitative definition of force is given by which law?

Select the correct option

- Newton's law of gravitation
- Newton's second law of motion
- Newton's third law of motion
- law of inertia

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

12:12

 4G  96 B/s  87



Quiz
vulms.vu.edu.pk



BC210422930: MUNEEBA ASLAM

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 12:08 P

Question # 5 of 10 (Start time: 12:12:49 PM, 18 December 2021)

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

Select the correct option

12:12

4G 96 B/s 87



Quiz
vulms.vu.edu.pk



BC210422930: MUNEEBA ASLAM

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 12:08 P

Question # 5 of 10 (Start time: 12:12:49 PM, 18 December 2021)

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

Select the correct option



BC210426819: NIMRA SHOUKAT

Time Left 89
sec(s)

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 12:04 PM, 18 December 2021

Question # 7 of 10 (Start time: 12:12:02 PM, 18 December 2021)

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

- between 9 m and 1 m
- Less than 1 m
- between 9 m and 5
- 9 m

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

Question # 10 of 10 (Start time: 11:52:49 AM, 18 December 2021)

the acceleration of projectile in x-direction:

Select the correct option

0 m/s²

depends on initial velocity

depends on how long it is in the air

depends on y-acceleration

Question # 10 of 10 (Start time: 11:58:09 AM, 18 December 2021)

Total Marks: 1

A qualitative definition of force is given by which law?

Select the correct option



Newton's third law of motion



Newton's second law of motion



law of inertia



Newton's law of gravitation

Click to Save Answer & Move to Next Question

Question # 8 of 10 (Start time: 11:50:33 AM, 18 December 2021)

Total Mar

Which of the following statement is true?

Select the correct option

- Mass depends on gravity, weight does not.
- Heavier objects weigh more than light objects.
- Gravity is necessary to measure both weight and mass.
- Weight is a force, mass is a measure of inertia.

Submit Answer

BC210410874: ANJLEENA MANZOOR

Time Left 82
sec(s)

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 11:48 AM, 18 December 2021

Question # 7 of 10 (start time: 11:54:58 AM, 18 December 2021)

Total Marks: 1

Unit of distance is:

Select the correct option

- | | |
|----------------------------------|------------|
| <input type="radio"/> | kilo gram |
| <input checked="" type="radio"/> | light year |
| <input type="radio"/> | second |
| <input type="radio"/> | Mole |

Click to Save Answer & Move to Next Question

Question # 1 of 10 (Start time: 11:48:58 AM, 18 December 2021)

Total Marks: 1

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

Select the correct option



have no change



become zero



be increased



be decreased

Click to Save Answer & Move to Next Question

BC210410874: ANJLEENA MANZDOR

Time Left 81 sec(s)

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 11:48 AM, 18 December 2021

Question # 2 of 10 (start time: 11:51:08 AM, 18 December 2021)

Total Marks: 1

Acceleration in a body is always produced in the direction of:

Select the correct option

<input type="radio"/>	Acceleration
<input checked="" type="radio"/>	Velocity
<input type="radio"/>	Force
<input type="radio"/>	Weight

Click to Save Answer & Move to Next Question

16 times

2 times

4 times



Question # 7 of 10 (Start time: 11:49:19 AM, 18 December 2021)

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

half way up

just after it is thrown

at the top of its trajectory

halfway down

Click the Save button to save your answer

A body will be in translational equilibrium if:

Select the correct option

$\Sigma F = 0$

$\Sigma T = 0$

$\Sigma P = 0$

$\Sigma W = 0$

Newton's second law of motion is also called:

Select the correct option

Law of inertia

Law of acceleration

Law of torque

Law of gravitation

Example of physical quantity is:

Select the correct option

Length

Colour

Sound

Effect of music



BC210422930: MUNEEBA ASLAM

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 12:14:32 PM, 18 December 2021

Question # 7 of 10 (Start time: 12:14:32 PM, 18 December 2021)

What sort of energy does flying bird possess?

Select the correct option

- | | |
|-----------------------|-----------------------------------|
| <input type="radio"/> | Elastic energy |
| <input type="radio"/> | Potential energy |
| <input type="radio"/> | Kinetic energy |
| <input type="radio"/> | Both potential and kinetic energy |

Click to Save Answer &

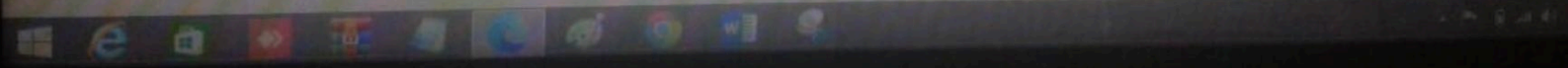


Question # 9 of 10 (Start time: 11:51:36 AM, 18 December 2021)

acceleration of an object must be zero at a point where:

Select the correct option

- the instantaneous velocity is not zero but changing
- the instantaneous velocity is constant
- the average velocity is zero
- the instantaneous velocity is zero but changing



Question # 4 of 10 (start time: 11:52:54 AM, 18 December 2021)

Total Marks: 1

Swimming becomes possible because of:

select the correct option



Third law of motion



Law of torque



First law of motion



Second law of motion

Click to Save Answer & Move to Next Question

Question # 9 of 10 (start time: 11:57:39 AM, 18 December 2021)

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

60°



75°



38°



30°

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

BC210410874: ANJLEENA MANZOOR

Time Left 80
sec(s)

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 11:48 AM, 18 December 2021

Question # 5 of 10 (start time: 11:54:30 AM, 18 December 2021)

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



5 m/s



20 m/s



25 m/s



10 m/s

Click to Save Answer & Move to Next Question

BC210410874: ANJLEENA MANZOOR

Time Left 78
sec(s)

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 11:49 AM, 18 December 2021

Question # 8 of 10 (start time: 11:55:57 AM, 18 December 2021)

Total Marks: 1

Work has dimensions like:

Select the correct option

<input type="radio"/>	Momentum
<input checked="" type="radio"/>	Power
<input type="radio"/>	Torque
<input type="radio"/>	velocity



Click to Save Answer & Move to Next Question

Question #10 of 10 (start time: 12:18:23 PM, 18 December 2021)

Total Marks: 1

Acceleration in a body is always produced in the direction of:

Select the correct option

<input checked="" type="radio"/>	Force	
<input type="radio"/>	Weight	
<input type="radio"/>	Acceleration	
<input type="radio"/>	Velocity	

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

Question # 8 of 10 (Start time: 01:23:02 PM, 18 December 2021)

To

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 checked="" 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
<input type="radio"/>	the force of your foot on the accelerator

motion defined by the pair of variables:

Select the correct option

<input type="radio"/>	Change of position and passage of time
<input type="radio"/>	Time and momentum
<input type="radio"/>	Speed and distance
<input type="radio"/>	Speed and passage of time

Question # 1 of 10 (Start time: 01:38:23 PM, 18 December 2021)

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

- $2mgh$
- Zero
- mgh
- same



Question # 3 of 10 (Start time: 01:02:17 PM, 18 December 2021)

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

An isolated system

Non isolated system

Non-inertial frame of reference

An inertial frame of reference

The area under the velocity time graph is:

Select the correct option

<input type="radio"/>	Distance	
<input type="radio"/>	Force	
<input type="radio"/>	Acceleration	
<input type="radio"/>	Torque	

Question # 6 of 30 (Start time: 01:10:54 PM, 18 December 2021)

When brakes are applied to a fast moving car, the passenger will be thrown

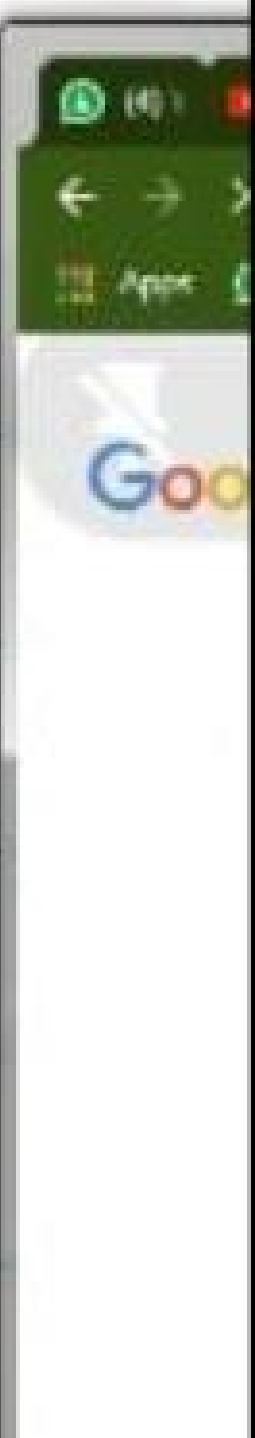
Select the correct option

Downward

Backward

Forward

Upward



Work may be done by _____

Select the correct option

- | | |
|----------------------------------|--|
| <input type="radio"/> | both living organisms and non-living objects |
| <input checked="" type="radio"/> | only living organisms |
| <input type="radio"/> | only non-living objects |
| <input type="radio"/> | only vehicles |

Question # 1 of 10 (Start time: 01:38:23 PM, 18 December 2021)

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

- $2mgh$
- Zero
- mgh
- $\frac{1}{2}mv^2$



Question # 5 of 10 (Start time: 12:57:31 PM, 18 December 2021)

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



Half of the velocity



Double velocity

Question # 1 of 10 (Start time: 01:53:08 PM, 17 December 2021)

Total Marks: 1

When you step on the accelerator to increase the speed of your car, the force that accelerates the car is

friction of

Select the correct option

the force of friction of the road on the tires

the normal force of the road on the tires

When you step on the accelerator to increase the speed of your car, the force that accelerates the car is **the force of friction of the road on the tires.**

Question # 6 of 10 (Start time: 06:47:29 AM, 18 December 2021)

Total Marks: 1

When body moves with constant acceleration the velocity time graph is:



KINEMASTER

Select the correct option



Parabola



Straight line



Hyperbola



Curve

Saving

Question # 5 of 10 (Start time: 06:47:05 AM, 18 December 2021)

Total Marks: 1

Whenever an object strikes a stationary object of equal mass:



CK12 MASTER

Select the correct option

- | | |
|----------------------------------|---------------------------------------|
| <input checked="" type="radio"/> | the first object must stop |
| <input type="radio"/> | none of these |
| <input type="radio"/> | the collision must be elastic |
| <input type="radio"/> | the two objects cannot stick together |
- (Handwritten red 'X' over the first option and a red checkmark over the second option)*

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

KINEM

Select the correct option



negative



unit



normal



position

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



Newton-second is SI unit of:

Select the correct option

Acceleration

Impulse

Torque

Angular momentum



SC21042439R: LAMDA EXAM

Time Left 86 sec(s)

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 12:35 PM, 17 December 2021

Question #1 of 10 (Start time: 12:35:43 PM, 17 December 2021)

Total Marks: 1

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

Select the correct option



world peace



to make everyone rich and happy



predicting natural events based on known patterns



world dominion

Click to Save Answer & Move to Next Question





SC21042439R: LAMDA EXAMING

Time Left 76
00:00

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 12:35 PM, 17 December 2021

Question # 9 of 10 (Start time: 12:41:31 PM, 17 December 2021)

Total Marks: 1

Which statement is not true for acceleration?

Select the correct option



slowing your bike ride so you can make it up a hill



riding your bike faster when you head down a hill



riding your bike straight down the street at a constant speed



stopping your bike at an intersection

Click to Save Answer & Move to Next Question



SC21042439R: LAMDA BHATTAR

Time Left 79 sec(s)

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 12:35 PM, 17 December 2021

Question # 4 of 10 (Start time: 12:38:08 PM, 17 December 2021)

Total Marks: 1

Work done in gravitational field:

Select the correct option

Zero

Positive

Negative

Maximum

Click to Save Answer & Move to Next Question



Acceleration in a body is always produced in the direction of:



Select the correct option

- Force
- Velocity
- Weight
- Acceleration

Activate Windows
Go to Settings to activate Windows



Click to Save Answer & Move to Next Question

Question # 10 of 10 (Start time: 12:05:11 PM, 17 December 2021)

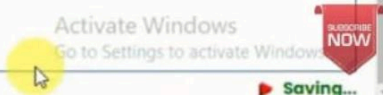
Total Marks: 1

6 joule of work done in 3 seconds then power is:

Select the correct option

- 6 watt
- 3 watt
- 2 watt
- 18 watt

Activate Windows
Go to Settings to activate Windows



Question # 8 of 10 (Start time: 12:03:30 PM, 17 December 2021)

Total Marks: 1

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

Select the correct option

- is negative
- is positive
- depends for its sign on the direction of the y axis
- is zero

Activate Windows
Go to Settings to activate Windows



Click to Save Answer & Move to Next Question

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

Select the correct option



ice is soft and spongy where as concrete is hard



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



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



there is more friction on the ice than on concrete



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

Become half

Become double



Remain same

Become zero

Click to Save Answer

acceleration of an object must be zero at a point where:

Select the correct option



the instantaneous velocity is zero but changing



the average velocity is zero



the instantaneous velocity is not zero but changing



the instantaneous velocity is constant

The slope of a velocity – time the graph at any point may be identified with:

Select the correct option



average acceleration



instantaneous velocity



instantaneous acceleration



instantaneous acceleration

The product of force and time is called change in:

Select the correct option



Force



Torque



Impulse



Acceleration

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

☒

Select the correct option

<input type="radio"/>	Stays constant
<input type="radio"/>	Increases
<input type="radio"/>	Decreases
<input type="radio"/>	Becomes zero



Click to See

When the momentum of a body is doubled, its kinetic energy -----

Select the correct option



Becomes ten times its kinetic energy



Remains the same



Drops to zero



Becomes four times its initial kinetic energy



Which of the following statement is true?

Select the correct option



Mass depends on gravity, weight does not



Gravity is necessary to measure both weight and mass



Heavier objects weigh more than light objects




Weight is a force, mass is a measure of inertia



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

Select the correct option

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

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

Select the correct option



none



$2g$



$g/2$



g

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

Select the correct option



0.1J



1 ft · lb



10 J



1 J



If the mass of moving objects is doubled then its K.E becomes:

Select the correct option



16 times



2 times



4 times



5 times

Per-second refers to the dimensions of physical quantity:

Select the correct option

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



Swimming becomes possible because of:

Select the correct option



First law of motion



Second law of motion



Third law of motion



Law of torque



When the momentum of a body is doubled, its kinetic energy -----

< **Select the correct option**



Becomes four times its initial kinetic energy



Becomes ten times its kinetic energy



Drops to zero



Remains the same

The first condition of equilibrium implies that:

<

Select the correct option

<input type="radio"/>	$\Sigma F_y = 0$
<input type="radio"/>	$\Sigma F_x = 0$
<input type="radio"/>	$\Sigma F_x = \Sigma F_y$
<input checked="" type="radio"/>	$\Sigma F = 0$



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



$\frac{1}{2} mv$



$2mgh$



mgh



Zero



Which of the following statement is true?

Select the correct option

Gravity is necessary to measure both weight and mass



Mass depends on gravity, weight does not

Weight is a force, mass is a measure of inertia

Heavier objects weigh more than light objects

Which of the following statement/s is / are true?

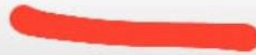
- i. The weight of a man on the Moon is smaller than that on the Earth.
- ii. The mass of a man is the same on both the Moon and the Earth.
- iii. We cannot determine our own mass in the outer space because there is no gravity.

 Select the correct option

(iii) only



(i) only



(i) and (ii) only

(ii) and (iii) only

If the total momentum of a system is changing:

Select the correct option



a net external force must be acting on the system



the system must be under the influence of gravity



the center of mass must have constant velocity



particles of the system must be exerting forces on each other

Acceleration in a body is always produced in the direction of:



Select the correct option

- Force
- Velocity
- Weight
- Acceleration

Activate Windows
Go to Settings to activate Windows



Click to Save Answer & Move to Next Question

Question # 8 of 10 (Start time: 12:03:30 PM, 17 December 2021)

Total Marks: 1

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

Select the correct option

is negative

is positive

depends for its sign on the direction of the y axis

is zero

Activate Windows

Go to Settings to activate Windows

Click to Save Answer & Move to Next Question



Question # 4 of 10 (Start time: 11:59:50 AM, 17 December 2021)

Total Marks: 1

Suppose no reaction force exists then which of the following case/s will occur?

- i. We cannot swim.
- ii. We cannot jump.
- iii. We cannot walk.

Select the correct option

<input type="radio"/>	(iii) only
<input checked="" type="radio"/>	(i), (ii) and (iii)
<input type="radio"/>	(ii) only
<input type="radio"/>	(i) only

Activate Windows
Go to Settings to activate Windows



Click to Save Answer & Move to Next Question

Question # 5 of 10 (Start time: 12:00:29 PM, 17 December 2021)

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



Activate Windows

Go to Settings to activate Windows

Click to Save Answer & Move to Next Question



Question # 3 of 10 (Start time: 11:57:31 AM, 17 December 2021)

Total Marks: 1

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

Select the correct option

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

Activate Windows
Go to Settings to activate Windows



Click to Save Answer & Move to Next Question

Question # 6 of 10 (Start time: 12:18:04 PM, 17 December 2021)

Total Marks: 1

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

Select the correct option

there is no change in kinetic energy of the system

the coefficient of restitution is zero

the net external impulse is zero

the coefficient of restitution is one



Question # 2 of 10 (Start time: 11:56:54 AM, 17 December 2021)

Total Marks: 1

What sort of energy does flying bird posses?

Select the correct option

- Potential energy
- Both potential and kinetic energy
- Kinetic energy
- Elastic energy

Activate Windows
Go to Settings to activate Windows



Click to Save Answer & Move to Next Question

Question # 3 of 10 (Start time: 12:15:38 PM, 17 December 2021)

Total Marks: 1

Force is a:

Select the correct option

- | | |
|-----------------------|--------------------|
| <input type="radio"/> | Universal quantity |
| <input type="radio"/> | Derived quantity |
| <input type="radio"/> | Scalar quantity |
| <input type="radio"/> | Base quantity |

Question # 2 of 10 (Start time: 11:37:08 AM, 17 December 2021)

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

 500 NS 200 NS 20 NS 50 NS

Question # 5 of 10 (Start time: 11:43:17 AM, 17 December 2021)

Total Marks: 1

The relative speed of approach is always equal to relative speed of separation in:

Select the correct option

Ideal collision

Inelastic collision

Partial elastic collision

Perfectly elastic collision



Question # 6 of 10 (Start time: 11:43:52 AM, 17 December 2021)

Total Marks: 1

An object moving in a circle at constant speed:

Select the correct option

is not accelerating

has an acceleration of constant magnitude

must have only one force acting on it

has no change in its direction



Question # 2 of 10 (Start time: 11:54:42 AM, 17 December 2021)

Total Marks: 1

Newton's second law of motion is also called:

▶ Select the correct option

- | | |
|----------------------------------|---------------------|
| <input checked="" type="radio"/> | Law of acceleration |
| <input type="radio"/> | Law of inertia |
| <input type="radio"/> | Law of torque |
| <input type="radio"/> | Law of gravitation |

Question # 10 of 10 (Start time: 11:49:09 AM, 17 December 2021)

Total Marks: 1

The angle between rectangular components of a vector is:

Select the correct option

<input checked="" type="radio"/>	45°
<input type="radio"/>	60°
<input type="radio"/>	0°
<input type="radio"/>	90°

Question # 2 of 10 (Start time: 12:14:04 PM, 17 December 2021)

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 displacement for each revolution is zero

the centripetal force is perpendicular to the velocity

the average force for each revolution is zero



there is no friction

Question # 1 of 10 (Start time: 12:12:34 PM, 17 December 2021)

Total Marks: 1

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

acceleration

decrease in inertia

net force

change in velocity



Question # 9 of 10 (Start time: 12:02:56 PM, 17 December 2021)

Total Marks: 1

Change in momentum in one second is called:

▶ Select the correct option

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

Question # 6 of 10 (Start time: 11:59:54 AM, 17 December 2021)

Total Marks: 1

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

Select the correct option

world dominion

predicting natural events based on known patterns

to make everyone rich and happy

world peace

Question # 7 of 10 (Start time: 12:01:35 PM, 17 December 2021)

Total Marks: 1

If the total momentum of a system is changing:

Select the correct option

- | | |
|-----------------------|---|
| <input type="radio"/> | the center of mass must have constant velocity |
| <input type="radio"/> | a net external force must be acting on the system |
| <input type="radio"/> | the system must be under the influence of gravity |
| <input type="radio"/> | particles of the system must be exerting forces on each other |

Question # 5 of 10 (Start time: 11:59:14 AM, 17 December 2021)

Total Marks: 1

0.0003711 in scientific notation is

Select the correct option

 3.7×10^{-4} 3.7×10^{-5} 3.7×10^{-3} 3.7×10^{-1}

Question # 3 of 10 (Start time: 11:56:19 AM, 17 December 2021)

Total Marks: 1

The product of force and time is called change in:



Select the correct option

- Angular acceleration
- Momentum
- work
- Force

Question # 4 of 10 (Start time: 11:57:04 AM, 17 December 2021)

Total Marks: 1

The relative speed of approach is always equal to relative speed of separation in:

Select the correct option

Inelastic collision

Perfectly elastic collision

Ideal collision

Partial elastic collision



Question # 9 of 10 (Start time: 11:47:21 AM, 17 December 2021)

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

1 ms⁻²5 ms⁻²3 ms⁻²2 ms⁻²

Question # 1 of 10 (Start time: 11:53:46 AM, 17 December 2021)

Total Marks: 1

A bullet shoot straight up returns to its starting point in 10 sec. the initial speed was:

Select the correct option



98 m/s



24.5 m/s



49 m/s



9.8 m/s

Question # 3 of 10 (Start time: 11:39:11 AM, 17 December 2021)

Total Marks: 1

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

Select the correct option

have no change

become zero

be increased

be decreased

Question # 1 of 10 (Start time: 11:35:24 AM, 17 December 2021)

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

between 9 m and 1 m



Less than 1 m

9 m



between 9 m and 5

Question # 4 of 10 (Start time: 09:45:41 AM, 17 December 2021)

Total Mark

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

Select the correct option

1 J

0.1J

10 J

1 ft · lb

Question # 5 of 10 (Start time: 09:47:35 AM, 17 December 2021)

0.0003711 in scientific notation is

Select the correct option

 3.7×10^{-4} 3.7×10^{-1} 3.7×10^{-5} 3.7×10^{-3} 

INFOTAINMENT

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

Question # 8 of 10 (Start time: 09:52:06 AM, 17 December 2021)

Total Mark

A bullet shoot straight up returns to its starting point in 10 sec. the initial speed was:

Select the correct option

49 m/s

9.8 m/s

24.5 m/s

98 m/s



The rate of change of momentum of a body is equal to:

Select the correct option

Acceleration

Velocity

Applied force

Displacement



Newton first law is also called:

Select the correct option

Law of inertia

Law of gravitation

Law of torque

Law of force



Question # 10 of 10 (Start time: 10:09:38 AM, 17 December 2021)

Total Mark

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

$\frac{1}{2} mv$

$2mgh$

mgh

Zero

The law of inertia was firstly formulated by:

Select the correct option

Einstein

Newton

Galileo

Aristotle

Question # 8 of 10 (Start time: 10:06:21 AM, 17 December 2021)

Total Mark

if you travelled for 2.5 hours with an average speed 48 miles/hours, the distance travelled is:

Select the correct option

19.2 miles

48 miles

120 miles

300 miles

If the total momentum of a system is changing:

Select the correct option

- a net external force must be acting on the system
- the system must be under the influence of gravity
- the center of mass must have constant velocity
- particles of the system must be exerting forces on each other



Work has dimensions like:

Select the correct option

- Torque
- Power
- Momentum
- Velocity

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

Question # 2 of 10 (Start time: 09:28:07 AM, 17 December 2021)

Total Marks: 1

The first condition of equilibrium implies that:

Select the correct option

- $\Sigma F_y = 0$
- $\Sigma F_x = 0$
- $\Sigma F_x = \Sigma F_y$
- $\Sigma F = 0$

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

Question # 9 of 10 (Start time: 09:36:19 AM, 17 December 2021)

Total Marks: 1

The slope of a velocity – time the graph at any point may be identified with:

Select the correct option

- average acceleration
- instantaneous velocity
- instantaneous acceleration
- instantaneous acceleration



Newton-second is SI unit of:

Select the correct option

Acceleration

Impulse

Torque

Angular momentum



SC21042439R: LAMPA BHTING

Time Left 86
00:00

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 12:35 PM, 17 December 2021

Question #1 of 10 (Start time: 12:35:43 PM, 17 December 2021)

Total Marks: 1

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

Select the correct option



world peace



to make everyone rich and happy



predicting natural events based on known patterns



world dominion

Click to Save Answer & Move to Next Question





SC21042439: LAMDA BHTING

Time Left 79 sec(s)

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 12:35 PM, 17 December 2021

Question # 4 of 10 (Start time: 12:38:08 PM, 17 December 2021)

Total Marks: 1

Work done in gravitational field:

Select the correct option

Zero

Positive

Negative

Maximum

Click to Save Answer & Move to Next Question





SC21042439R: LAMDA 10/11/20

Time Left 76
00:00

PHY101 - Physics (1st online quiz of Physics (PHY101))

Quiz Start Time: 12:35 PM, 17 December 2021

Question # 9 of 10 (Start time: 12:41:31 PM, 17 December 2021)

Total Marks: 1

Which statement is not true for acceleration?

Select the correct option

- slowing your bike ride so you can make it up a hill
- riding your bike faster when you head down a hill
- riding your bike straight down the street at a constant speed
- stopping your bike at an intersection

Click to Save Answer & Move to Next Question

Question # 7 of 10 (Start time: 09:33:12 AM, 17 December 2021)

Total Marks: 1

Per-second refers to the dimensions of physical quantity:

Select the correct option

- Force
- Frequency
- Velocity
- Time period

▶ Click to Save Answer & Move to Next Question

Question # 6 of 10 (Start time: 09:32:37 AM, 17 December 2021)

Total Marks: 1

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

Select the correct option

- ice is soft and spongy where as concrete is hard
- the amount of friction is same for both (ice & concrete road)
- the friction between the ice and the feet is less than that between the concrete and feet
- there is more friction on the ice than on concrete

Click to Save Answer & Move to Next Question

Question # 8 of 10 (Start time: 09:35:30 AM, 17 December 2021)

If the mass of moving objects is doubled then its K.E becomes:

Select the correct option

- 16 times
- 2 times
- 4 times
- 5 times

Click to Save Answer & Move to Next Question

Question # 4 of 10 (Start time: 09:29:47 AM, 17 December 2021)

Total Marks: 1

When the momentum of a body is doubled, its kinetic energy -----



Select the correct option

- Becomes four times its initial kinetic energy
- Becomes ten times its kinetic energy
- Drops to zero
- Remains the same

Click to Save Answer & Move to Next Question

Question # 1 of 10 (Start time: 09:26:34 AM, 17 December 2021)

Total Marks: 1

Which of the following statement/s is / are true?

- i. The weight of a man on the Moon is smaller than that on the Earth.
- ii. The mass of a man is the same on both the Moon and the Earth.
- iii. We cannot determine our own mass in the outer space because there is no gravity.

▶ Select the correct option

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