



03063548328 Sonu Ilyas Mughal

Jan-04-2K21

PHY101 - Physics



Grand Quiz 2020 (Covid-19)

100% Correct Solve (Alhamdulillah)

BY Virtual Assistance Sonu Ilyas Mughal



Sindh, Pakistan



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https://www.youtube.com/channel/UCjboEX65C_yN7as5di10uIQ/playlists



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PHY101:Grand Quiz

Question # 1 of 30 (Start time: 11:18:16 AM, 04 January 2021)

A body will be in translational equilibrium if:

Select the correct option

- | | |
|----------------------------------|----------------|
| <input type="radio"/> | $\Sigma T = 0$ |
| <input checked="" type="radio"/> | $\Sigma F = 0$ |
| <input type="radio"/> | $\Sigma P = 0$ |
| <input type="radio"/> | $\Sigma W = 0$ |



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PHY101:Grand Quiz

Question # 2 of 30 (Start time: 11:18:40 AM, 04 January 2021)

The fundamental dimensions of angular momentum are

Select the correct option

- | | |
|----------------------------------|---------------------|
| <input type="radio"/> | ML-2T-2 |
| <input type="radio"/> | MLT-1 |
| <input checked="" type="radio"/> | ML ² T-1 |
| <input type="radio"/> | ML ² T-2 |



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PHY101:Grand Quiz

Quiz Start Time: 11:18 AM, 04 January 2021

Question # 3 of 30 (Start time: 11:19:05 AM, 04 January 2021)

Total Marks: 1

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

- | | | |
|----------------------------------|--------|---|
| <input type="radio"/> | 0.53 m | / |
| <input checked="" type="radio"/> | 0.23 m | / |
| <input type="radio"/> | 0.17 m | / |
| <input type="radio"/> | 0.37 m | / |

Click to Save Answer & Move to Next Question



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PHY101:Grand Quiz

Question # 4 of 30 (Start time: 11:19:32 AM, 04 January 2021)

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

Select the correct option

- | | |
|----------------------------------|--|
| <input type="radio"/> | returns to its original shape when the stress is removed |
| <input type="radio"/> | remains underwater |
| <input checked="" type="radio"/> | breaks |
| <input type="radio"/> | bends 180° |



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PHY101:Grand Quiz

Quiz Start

Question # 5 of 30 (Start time: 11:19:52 AM, 04 January 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

- | | |
|----------------------------------|------------------|
| <input checked="" type="radio"/> | Zero |
| <input type="radio"/> | mgh |
| <input type="radio"/> | $\frac{1}{2} mv$ |
| <input type="radio"/> | $2mgh$ |

Click to Save Answ



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Quiz Start T

Question # 6 of 30 (Start time: 11:20:23 AM, 04 January 2021)

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"/> | 40° |
| <input checked="" type="radio"/> | 58° |

Click to Save Answer



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Question # 7 of 30 (Start time: 11:20:44 AM, 04 January 2021)

The law of inertia was firstly formulated by:

Select the correct option

- | | |
|----------------------------------|-----------|
| <input type="radio"/> | Aristotle |
| <input type="radio"/> | Galileo |
| <input checked="" type="radio"/> | Newton |
| <input type="radio"/> | Einstein |



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Question # 8 of 30 (Start time: 11:21:09 AM, 04 January 2021)

Bodies which falls freely under gravity provides good example of motion under:

Select the correct option

- | | |
|----------------------------------|--------------------------|
| <input checked="" type="radio"/> | Uniform acceleration |
| <input type="radio"/> | Non-uniform acceleration |
| <input type="radio"/> | Uniform velocity |
| <input type="radio"/> | Non-uniform acceleration |



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Quiz St

Question # 9 of 30 (Start time: 11:21:31 AM, 04 January 2021)

The value of k in coulomb's law depends upon

Select the correct option

- | | |
|----------------------------------|----------------------------|
| <input checked="" type="radio"/> | medium between two charges |
| <input type="radio"/> | distance between charges |
| <input type="radio"/> | magnitude of charges |
| <input type="radio"/> | all of these |

Click to Save A



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Qu

Question # 10 of 30 (Start time: 11:21:55 AM, 04 January 2021)

Which of the following statements about floating objects is correct?

Select the correct option

- | | |
|----------------------------------|---|
| <input type="radio"/> | The object's density is greater than the density of the fluid on which it floats. |
| <input type="radio"/> | The object's density is equal to the density of the fluid on which it floats. |
| <input type="radio"/> | The displaced volume of fluid is greater than the volume of the object. |
| <input checked="" type="radio"/> | The buoyant force equals the object's weight. |



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PHY101:Grand Quiz

Quiz Start Time:

Question # 11 of 30 (Start time: 11:22:14 AM, 04 January 2021)

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

- | | |
|----------------------------------|--------------------------------|
| <input type="radio"/> | F1 is much greater than F2 |
| <input type="radio"/> | F1 is slightly greater than F2 |
| <input checked="" type="radio"/> | F1 is equal to F2 |
| <input type="radio"/> | F1 is slightly less than F2 |

Click to Save Answer &



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Quiz 1

Question # 12 of 30 (Start time: 11:22:35 AM, 04 January 2021)

Sound waves are

Select the correct option

- | | |
|----------------------------------|---|
| <input checked="" type="radio"/> | longitudinal |
| <input type="radio"/> | transverse |
| <input type="radio"/> | partly longitudinal and partly transverse |
| <input type="radio"/> | sometimes longitudinal and sometimes transverse |

Click to Save



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Qu

Question # 13 of 30 (Start time: 11:22:56 AM, 04 January 2021)

The first condition of equilibrium implies that:

Select the correct option

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

Click to Save



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Quiz

Question # 14 of 30 (Start time: 11:23:15 AM, 04 January 2021)

One revolution is the same as:

Select the correct option

- | | |
|----------------------------------|--------|
| <input checked="" type="radio"/> | 2n rad |
| <input type="radio"/> | n rad |
| <input type="radio"/> | 57 rad |
| <input type="radio"/> | 1 rad |

Click to Save



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Quiz Start Time: 11:18 AM, 04 January 20

Question # 15 of 30 (Start time: 11:23:36 AM, 04 January 2021)

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

Click to Save Answer & Move to Next Question



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Question # 16 of 30 (Start time: 11:23:57 AM, 04 January 2021)

The speed of a sound wave is determined by:

Select the correct option

- | | |
|----------------------------------|-----------------------------|
| <input type="radio"/> | its amplitude |
| <input type="radio"/> | its intensity |
| <input checked="" type="radio"/> | the transmitting medium |
| <input type="radio"/> | number of harmonics present |

Click to S



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Question # 17 of 30 (Start time: 11:24:17 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 |

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Question # 18 of 30 (Start time: 11:24:36 AM, 04 January 2021)

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

Select the correct option

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



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sec(s)

Quiz Start Time: 11:18 AM, 04 January 2021

Question # 19 of 30 (Start time: 11:24:58 AM, 04 January 2021)

Total Marks:

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 checked="" type="radio"/> | Water flows more rapidly out of the ground-floor faucet. | // |
| <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. | // |

Click to Save Answer & Move to Next Question



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Question # 20 of 30 (Start time: 11:25:20 AM, 04 January 2021)

The dot product of vector A with itself is equal to:

Select the correct option

- | | |
|----------------------------------|-------|
| <input type="radio"/> | Zero |
| <input type="radio"/> | A |
| <input type="radio"/> | 2A |
| <input checked="" type="radio"/> | A^2 |



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Quiz Sta

Question # 21 of 30 (Start time: 11:25:39 AM, 04 January 2021)

An elastic collision is one in which:

Select the correct option

- | | |
|----------------------------------|---|
| <input type="radio"/> | momentum is conserved but kinetic energy is not conserved |
| <input checked="" type="radio"/> | kinetic energy and momentum are both 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 |

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Question # 22 of 30 (Start time: 11:25:59 AM, 04 January 2021)

The center of mass of Earth's atmosphere is:

Select the correct option

- | | |
|----------------------------------|---|
| <input type="radio"/> | a little less than halfway between Earth's surface and the outer boundary of the atmosphere |
| <input type="radio"/> | near the surface of Earth |
| <input type="radio"/> | near the outer boundary of the atmosphere |
| <input checked="" type="radio"/> | near the center of Earth |



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Question # 23 of 30 (Start time: 11:26:19 AM, 04 January 2021)

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

Select the correct option

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



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Question # 24 of 30 (**Start time: 11:26:41 AM, 04 January 2021**)

Swimming becomes possible because of:

Select the correct option

- | | |
|----------------------------------|----------------------|
| <input type="radio"/> | First law of motion |
| <input type="radio"/> | Second law of motion |
| <input checked="" type="radio"/> | Third law of motion |
| <input type="radio"/> | Law of torque |



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Question # 25 of 30 (Start time: 11:27:01 AM, 04 January 2021)

When a wave travels through a medium

Select the correct option

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



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Question # 26 of 30 (Start time: 11:27:22 AM, 04 January 2021)

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



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Quiz

Question # 27 of 30 (Start time: 11:27:45 AM, 04 January 2021)

Coulomb's law is only true for point charges whose sizes are

Select the correct option

- | | |
|----------------------------------|------------|
| <input type="radio"/> | large |
| <input checked="" type="radio"/> | very small |
| <input type="radio"/> | very large |
| <input type="radio"/> | medium |

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Q

Question # 28 of 30 (Start time: 11:28:05 AM, 04 January 2021)

Which of the following statement is true?

Select the correct option

- | | |
|----------------------------------|--|
| <input checked="" 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"/> | Gravity is necessary to measure both weight and mass |
| <input type="radio"/> | Heavier objects weigh more than light objects |



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Question # 29 of 30 (Start time: 11:28:25 AM, 04 January 2021)

Possible units of angular momentum are:

Select the correct option

- | | |
|----------------------------------|---------------------------------------|
| <input checked="" type="radio"/> | $\text{kg}\cdot\text{m}^2/\text{s}$ |
| <input type="radio"/> | $\text{kg}\cdot\text{m}/\text{s}^2$ |
| <input type="radio"/> | $\text{kg}\cdot\text{m}^2/\text{s}^2$ |
| <input type="radio"/> | $\text{kg}\cdot\text{m}/\text{s}$ |



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Question # 30 of 30 (Start time: 11:28:47 AM, 04 January 2021)

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

Select the correct option

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



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PHY101:Grand Quiz

Quiz S

Question # 1 of 30 (Start time: 11:44:15 AM, 04 January 2021)

The center of mass of Earth's atmosphere is:

Select the correct option

- | | |
|----------------------------------|---|
| <input type="radio"/> | a little less than halfway between Earth's surface and the outer boundary of the atmosphere |
| <input type="radio"/> | near the surface of Earth |
| <input type="radio"/> | near the outer boundary of the atmosphere |
| <input checked="" type="radio"/> | near the center of Earth |

Click to Save A



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Question # 2 of 30 (Start time: 11:44:40 AM, 04 January 2021)

Momentum may be expressed in:

Select the correct option

- | | |
|----------------------------------|----------|
| <input type="radio"/> | kg/(m·s) |
| <input checked="" type="radio"/> | N·s |
| <input type="radio"/> | gram·s |
| <input type="radio"/> | kg/m |



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Quiz Sta

Question # 3 of 30 (Start time: 11:44:59 AM, 04 January 2021)

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 angular velocity remains the same |
| <input type="radio"/> | his rotational inertia decreases |
| <input checked="" type="radio"/> | his angular momentum remains the same |

Click to Save An



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Question # 4 of 30 (Start time: 11:45:21 AM, 04 January 2021)

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 ²
<input type="radio"/>	1.9m/s ²
<input type="radio"/>	2.5m/s ²
<input type="radio"/>	4.9m/s ²



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Question # 5 of 30 (Start time: 11:45:47 AM, 04 January 2021)

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

Select the correct option

- | | |
|----------------------------------|----------------------------------|
| <input type="radio"/> | just below the ultimate strength |
| <input type="radio"/> | just above the ultimate strength |
| <input checked="" type="radio"/> | well below the yield strength |
| <input type="radio"/> | well above the yield strength |



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Question # 6 of 30 (Start time: 11:46:10 AM, 04 January 2021)

Unit of distance is:

Select the correct option

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



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Question # 7 of 30 (Start time: 11:46:31 AM, 04 January 2021)

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 |



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Question # 8 of 30 (**Start time: 11:46:51 AM, 04 January 2021**)

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

Select the correct option

<input type="radio"/>	Displacement
<input type="radio"/>	Velocity
<input type="radio"/>	Acceleration
<input checked="" type="radio"/>	Applied force



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PHY101:Grand Quiz

Quiz Start Time:

Question # 9 of 30 (Start time: 11:47:13 AM, 04 January 2021)

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

- | | |
|----------------------------------|--|
| <input type="radio"/> | measuring the density of the planet |
| <input checked="" type="radio"/> | observing the ship's acceleration and correcting for the distance from the center of the planet: |
| <input type="radio"/> | measuring g the diameter of the planet |
| <input type="radio"/> | measuring the apparent weight of an object of known mass in the ship |



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Question # 10 of 30 (Start time: 11:47:34 AM, 04 January 2021)

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"/>	1 J
<input checked="" type="radio"/>	10 J
<input type="radio"/>	0.1J



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Question # 11 of 30 (Start time: 11:47:53 AM, 04 January 2021)

As the wavelength of a wave in a uniform medium increases, its frequency will _____.

Select the correct option

<input checked="" type="radio"/>	Decrease
<input type="radio"/>	Increase
<input type="radio"/>	Remain the same
<input type="radio"/>	None of these



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Question # 12 of 30 (Start time: 11:48:12 AM, 04 January 2021)

The fundamental dimensions of angular momentum are

Select the correct option

- | | |
|----------------------------------|---------------------|
| <input type="radio"/> | ML-2T-2 |
| <input type="radio"/> | MLT-1 |
| <input checked="" type="radio"/> | ML ² T-1 |
| <input type="radio"/> | ML ² T-2 |

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Question # 13 of 30 (Start time: 11:48:34 AM, 04 January 2021)

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



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PHY101:Grand Quiz

Qui

Question # 14 of 30 (Start time: 11:48:54 AM, 04 January 2021)

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

Select the correct option

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

Click to Sav



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BC190405031. JAMIL KHAN

PHY101:Grand Quiz

Quiz

Question # 15 of 30 (Start time: 11:49:14 AM, 04 January 2021)

Which of the following statements about completely submerged objects resting on the ocean bottom is correct?

Select the correct option

- | | |
|----------------------------------|---|
| <input type="radio"/> | The buoyant force acting on the object is equal to the object's weight. |
| <input checked="" type="radio"/> | The apparent weight of the object depends on the object's density. |
| <input type="radio"/> | The displaced volume of fluid is greater than the volume of the object. |
| <input type="radio"/> | The weight of the object and the buoyant force are equal and opposite. |

Click to Save



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Question # 16 of 30 (**Start time: 11:49:33 AM, 04 January 2021**)

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

Select the correct option

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



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Question # 17 of 30 (Start time: 11:49:56 AM, 04 January 2021)

A vector A is added to a vector B. The resultant vector $A + B$ have greatest magnitude when:

Select the correct option

- | | |
|----------------------------------|--|
| <input type="radio"/> | The magnitude of vector $A + B$ does not depend on the directions of A and B |
| <input type="radio"/> | When vectors A and B are parallel and in the opposite direction |
| <input checked="" type="radio"/> | When vectors A and B are parallel and in the same direction |
| <input type="radio"/> | When vectors A and B are perpendicular |



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Time Left sec

PHY101:Grand Quiz

Quiz Start Time: 11:44 AM, 04 January

Question # 18 of 30 (Start time: 11:50:15 AM, 04 January 2021)

Total M

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

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

Click to Save Answer & Move to Next Quest



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PHY101:Grand Quiz

Quiz Start Time: 11:44

Question # 19 of 30 (Start time: 11:50:37 AM, 04 January 2021)

Work has dimensions like:

Select the correct option

- | | |
|----------------------------------|----------|
| <input checked="" type="radio"/> | Torque |
| <input type="radio"/> | Momentum |
| <input type="radio"/> | Velocity |
| <input type="radio"/> | Power |

Click to Save Answer & Move



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PHY101:Grand Quiz

Question # 20 of 30 (Start time: 11:51:25 AM, 04 January 2021)

Which statement is not true for acceleration?

Select the correct option

- | | |
|----------------------------------|---|
| <input checked="" type="radio"/> | riding your bike straight down the street at a constant speed |
| <input type="radio"/> | slowing your bike ride so you can make it up a hill |
| <input type="radio"/> | stopping your bike at an intersection |
| <input type="radio"/> | riding your bike faster when you head down a hill |



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PHY101:Grand Quiz

Quiz Start Time: 11:44 AM, 04 January 20

Question # 21 of 30 (Start time: 11:51:43 AM, 04 January 2021)

Total Mark:

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

- | | | |
|----------------------------------|--------|---|
| <input type="radio"/> | 0.53 m | / |
| <input checked="" type="radio"/> | 0.23 m | / |
| <input type="radio"/> | 0.17 m | / |
| <input type="radio"/> | 0.37 m | / |

Click to Save Answer & Move to Next Question



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PHY101:Grand Quiz

Question # 22 of 30 (Start time: 11:52:03 AM, 04 January 2021)

The unit $\text{kg}\cdot\text{m}^2/\text{s}$ can be used for:

Select the correct option

- | | |
|----------------------------------|---------------------------|
| <input checked="" type="radio"/> | angular momentum |
| <input type="radio"/> | rotational kinetic energy |
| <input type="radio"/> | rotational inertia |
| <input type="radio"/> | torque |



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PHY101:Grand Quiz

Quiz Start Time: 11:44 AM, 04 January 2021

Question # 23 of 30 (Start time: 11:52:31 AM, 04 January 2021)

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"/> | 9.0 m/s | // |
| <input type="radio"/> | 18 m/s | // |
| <input checked="" type="radio"/> | 27 m/s | // |
| <input type="radio"/> | 54 m/s | // |

Click to Save Answer & Move to Next Question



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PHY101:Grand Quiz

Quiz Start Time: 11:44 /

Question # 24 of 30 (Start time: 11:53:11 AM, 04 January 2021)

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



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PHY101:Grand Quiz

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Quiz Start Time: 11:44 AM, 04 January

Question # 25 of 30 (Start time: 11:53:36 AM, 04 January 2021)

Total M

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

Click to Save Answer & Move to Next Quest



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PHY101:Grand Quiz

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Question # 26 of 30 (Start time: 11:54:01 AM, 04 January 2021)

People try to keep the..... over their feet, in order to feel stable.

Select the correct option

- | | |
|----------------------------------|-------------------|
| <input type="radio"/> | mass |
| <input type="radio"/> | weight |
| <input checked="" type="radio"/> | centre of gravity |
| <input type="radio"/> | centre of mass |

Click to Save



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PHY101:Grand Quiz

Question # 27 of 30 (Start time: 11:54:22 AM, 04 January 2021)

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

Select the correct option

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



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PHY101:Grand Quiz

Question # 28 of 30 (Start time: 11:54:43 AM, 04 January 2021)

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

Select the correct option

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



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PHY101:Grand Quiz

Quiz Start Time: 11:44 AM, 04 January 2021

Question # 29 of 30 (Start time: 11:55:01 AM, 04 January 2021)

Total Marks

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

Click to Save Answer & Move to Next Question



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PHY101:Grand Quiz

Question # 30 of 30 (Start time: 11:55:23 AM, 04 January 2021)

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

Select the correct option

<input checked="" type="radio"/>	unit
<input type="radio"/>	position
<input type="radio"/>	normal
<input type="radio"/>	negative

Click to



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- 7) Solved Past and Current paper
- 8) Solved Graded Activities
(Assignment Quiz GDB)

Activity
Detailed
Information

Project Enrolment Complete training with Live classes on Zoom

- 1) SRS (Software Requirements Specification)
- 2) DD (Design Document)
- 3) Test phase
 - a) Test phase viva (Live Classes for viva preparation)
- 4) Final Deliverable
 - a) Final coding
 - b) Final presentation
 - c) Final report
 - d) Pre final viva (Coding Viva)
 - e) Final viva (Overall Presentation)

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