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	Question Type ⬇	Question ⬍	A ⬍	B ⬍	C ⬍	D ⬍	Answer ⬍	Remark ⬍
☐	FBQ	A unidirectional device (a device which permits the flow of electri current on when it is forward biased) is called _____	diode	diode				eExam
☐	FBQ	In a series RLC ac circuit, the voltage across the resistive element in _____ with the current in the circiut.	phase	phase				eExam
☐	FBQ	A _____ produces electromotive force when its junctions of two different metals are maintained at different temperatures.	thermocouple	thermocouple				eExam
☐	FBQ	A device which is used to compare the electromotive forces or the potetial differeces of two cells is called called _____	potentiometer	potentiometer				eExam
☐	FBQ	_____ 's law states that current flowing through a conductor is directly proportional to the potential difference across it, provided temperature and other physical conditions like pressure, shape and size remain the same.	Ohm	Ohm				eExam
☐	FBQ	A _____ is a beam fixed horizontally at one end.	Cantilever	Cantilever				eExam
☐	FBQ	The maximum stress a material can sustain without undergoing permanent deformation is called the _____ of the material.	elastic limit	elastic limit				eExam
☐	FBQ	Increasing the tension in a rope _____ the fundamental frequency of the rope	increases	increases				eExam

☐								
☐	FBQ	The frequency of a wave is 2 Hz and there are 3 m between adjacent crests. A crest will travell through a distance of _____ m in 2 s.	12	12				eExam
☐	FBQ	The point of maximum displacement in vibrating string fixed at both ends is called _____	antinode	antinode				eExam
☐	FBQ	A device which is used the type of wave that exist in a guitar string is called _____	sonometer	sonometer				eExam
☐	FBQ	The type of wave which exists in the string of a guitar when it is plucked is called _____ wave	stationary	standing				eExam
☐	FBQ	A wave which transports energy as it propagates in space is _____ wave	progressive	travelling				eExam
☐	FBQ	In a coupled osccillator, there is periodic _____ transfer between the individual oscillators	energy	energy				eExam
☐	FBQ	A short pendulum has a frequency of 2 Hz, its period is _____	1/2s	1/2 s				eExam
☐	FBQ	In a _____ oscillating system, the motion of the normal modes are simple harmonic	coupled	coupled				eExam
☐	FBQ	For small amplitudes, the restoring force of a mass - spring system is _____ to its distance from the equilibrium position	proportional	directly proportional				eExam
☐	FBQ	A bar pendulum is a practical example of a _____ pendulum	compound	compound				eExam
☐	FBQ	For small amplitudes, the period of a simple pendulum is _____ proportional to the square root of the acceleration due to gravity	inversely	inversely				eExam
☐	FBQ	For small amplitudes, the period of a simple pendulum is _____ to the square root of the length of the string	proportional	directly proportional				eExam

☐	FBQ	The relationship between the period and length of a simple pendulum is given as $T = Al^{n}$. The intercept on the vertical axis if lnT is plotted on the vertical axis and lnl on the horizontal axis is	lnA	lnA				eExam
☐	FBQ	An oscillating system left to itself loses energy due to resistive forces such as air resistance. Such a motion is said to be _____ .	damped	damped				eExam
☐	FBQ	The _____ time is the time interval between the input stimulus and its response.	reaction	reaction				eExam
☐	FBQ	The maximum displacement of an oscillating system from its equilibrium position is referred to as its _____	amplitude	amplitude				eExam
☐	FBQ	The inverse of the period of oscillation is the same as its _____	frequency	frequency				eExam
☐	FBQ	If n complete oscillations are made in t seconds, then the period T of oscillation is given as T= _____ s.	t/n	t/n				eExam
☐	FBQ	In experiments involving oscillations, the number of complete oscillations per unit time is the _____ of the oscillation	frequency	frequency				eExam
☐	FBQ	In general, a device used for measuring mass in the laboratory is called _____	balance	balance				eExam
☐	FBQ	In practical physics it advicable to display your obsevation data in an all-inclusive table known as _____ table	composite	composite				eExam
☐	FBQ	A straight line joining most of the plotted points with the rest of the plotted points on either sides of the line is called line of _____	bestfit	bestfit				eExam
☐	FBQ	The slope of the tangent to a curve which is parallel to the horizontal axis of the graph is _____	zero	0				eExam

☐	FBQ	The slope of a graph is obtained from a suitable [____] of slope drawn on the graph	triangle	triangle				eExam
☐	FBQ	A quantity to be measured as [____] value is independent of the process of measurement	true	true				eExam
☐	FBQ	An experiment which gives a straight line graph with positive intercepts on both axes of the graph has a [____] slope	negative	negative				eExam
☐	FBQ	When writing the results of an experimental observation in terms of significant digits, all non-zero digits are [____]	significant	significant				eExam
☐	FBQ	Given $$s = \frac{d}{sqrt{n}}$$, where d is the average deviation from the mean of the data distribution and n the number of observations, s represents [____]	precision index	precision index				eExam
☐	FBQ	A wooden block is at the verge of sliding freely down a wooden inclined plane when the inclination is 20degrees. The coeficient of limiting friction is [____] to 2 decimal places	0.36	0.36				eExam
☐	FBQ	A mass of 150g when hung on a spiral spring stretches it 40cm. Assuming the spring is Hookean, the period of oscillation of the mass when slightly displaced and released is [____] to 2 decimal places	1.27s	1.27s				eExam
☐	FBQ	In an experiment,measurements of variables were repeated in order to minimise [____]	random error	random error				eExam
☐	FBQ	The simple pendulum experiment is used to determine an inaccessible height H using the relation $$T=\pi\sqrt(\frac{(H-h)}{g}))$$, where h is the height of the bob from the floor.The inaccessible height is obtainable from the [____] of the graph of T^{2} plotted against h	intercept	intercept				eExam

☐	FBQ	The displacement s of a trolley as a funtion of time is given as $s+ds=0.63\pm0.02$ for $t+dt=1.71pm0.10$s.The error dv in the measurement of velocity v is [____] to 2 decimal places.	0.02	0.02				eExam
☐	FBQ	The precision index for the set of data 3.69,3.67,3.68,3.69,3.68,3.69,3.66,3.67 is [____] to 3 decimal places	0.003	0.003				eExam
☐	FBQ	Errors that might result in measured values which are consistently too high or too low are called [____] errors	systematic	systematic				eExam
☐	FBQ	The sum of the measurements 2.11m, 2.1546m and 2.125m may be rounded off as [____]	6.39m	6.39 m				eExam
☐	FBQ	The product of two measurements 1.23cm and 2.3cm should be rounded off as [____] .	2.8 cm	2.8cm				eExam
☐	FBQ	In recording measured values, a digit is significant if and only if it affects the [____] of the measurement	relative error	relative error				eExam
☐	FBQ	A number N is written as $$N=Ax10^{p}$S, where A is a number between 1 and 10 and p is an integer. In this form N is said to be expressed in [____]	scientific notation	standard form				eExam
☐	FBQ	[____] is the more accurate between the measurements 40.0 cm and 8.0 cm of length	40.0 cm	40.0cm				eExam
☐	FBQ	A smaller measurement is more [____] for the same accuracy	precise	precise				eExam
☐	FBQ	The maximum possible error in the measurement of length using the metre scale is [____] _.	0.05 cm	0.05cm				eExam
☐	FBQ	A unidirectional device (a device which permits the flow of electri current on when it is forward biased) is called [____]	diode	diode				

☐	FBQ	In a series RLC ac circuit, the voltage across the resistive element in [_____] with the current in the circiut.	phase	phase
☐	FBQ	A [_____] produces electromotive force when its junctions of two different metals are maintained at different temperatures.	thermocouple	thermocouple
☐	FBQ	A device which is used to compare the electromotive forces or the potetial differeces of two cells is called called [_____]	potentiometer	potentiometer
☐	FBQ	[_____] 's law states that current flowing through a conductor is directly proportional to the potential difference across it, provided temperature and other physical conditions like pressure, shape and size remain the same.	Ohm	Ohm
☐	FBQ	A [_____] is a beam fixed horizontally at one end.	Cantilever	Cantilever
☐	FBQ	The maximum stress a material can sustain without undergoing permanent deformation is called the [_____] of the material.	elastic limit	elastic limit
☐	FBQ	Increasing the tension in a rope [_____] the fundamental frequency of the rope	increases	increases
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☐	FBQ	The point of maximum displacement in vibrating string fixed at both ends is called [_____]	antinode	antinode
☐	FBQ	A device which is used the type of wave that exist in a guitar string is called [_____]	sonometer	sonometer
☐	FBQ	The type of wave which exists in the string of a guitar when it is plucked is called [_____] wave	stationary	standing

☐								
☐	FBQ	A wave which transports energy as it propagates in space is ⬚ wave	progressive	travelling				
☐	FBQ	In a coupled osccillator, there is periodic ⬚ transfer between the individual oscillators	energy	energy				
☐	FBQ	A short pendulum has a frequency of 2 Hz, its period is ⬚	1/2s	1/2 s				
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☐	FBQ	For small amplitudes, the restoring force of a mass - spring system is ⬚ to its distance from the equilibrium position	proportional	directly proportional				
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☐ FBQ	An experiment which gives a straight line graph with positive intercepts on both axes of the graph has a _____ slope	negative	negative	

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