Question QMC1 : Why are measurements in physics inexact?  
Answer:  
  
Question QMC2 : Which of the following pair of measurement are more precise?  
Answer:  
  
Question QMC3 : The maximum displacement of the bob on either side of its equilibrium position is called \_\_\_\_\_  
Answer:  
  
Question QMC4 : If the time taken for twenty (20) oscillations in 2 minutes 50 seconds the period (T) is \_\_\_\_\_\_\_\_  
Answer:  
  
Question QMC5 : The time taken by the pendulum to complete one oscillation is known as \_\_\_\_  
Answer:  
  
Question QMC6 : Pendulum bulb loses energy due to which of the following?  
Answer:  
  
Question QMC7 : The process of gradually decreases in the amplitude of oscillations of the pendulum bob is called  
Answer:  
  
Question QMC8 : Error due to wear and tear in the instrument is called  
Answer:  
  
Question QMC9 : One of the following must be known in order to decide upon the type of a spring for a particular purpose,  
Answer:  
  
Question QMC10 : The method of determining the spring wire is \_\_\_\_\_.  
Answer:  
  
Question QMC11 : One of the following is a function of extension, in a static method of Experiment.  
Answer:  
  
Question QMC12 : The magnitude of applied force up to which a specimen retains its elastic property is defined as the  
Answer:  
  
Question QMC13 : Precision is a function of \_\_\_\_.  
Answer:  
  
Question QMC14 : The time taken to complete one oscillation is called\_\_\_\_.  
Answer:  
  
Question QMC15 : The maximum displacement of the bob on either side of its equilibrium position is called \_\_\_.  
Answer:  
  
Question QMC16 : The method of determining the spring wire is \_\_\_\_.  
Answer:  
  
Question QMC17 : The magnitude of applied force up which a specimen retains its elastic property is defines as the  
Answer:  
  
Question QMC18 : In static method, the measurement of extension of a spring is a function of \_\_\_\_\_.  
Answer:  
  
Question QMC19 : One of the following equations is the period of oscillation?  
Answer:  
  
Question QMC20 : The junction formed when the holes from the p-side diffuse into the n-side and combine with free electrons and electrons from the n-type diffuse to the p-side and combine with holes is called  
Answer:  
  
Question QMC21 : Two bodies moving along the same line but in opposite directions collide. This type of collision is said to be?  
Answer:  
  
Question QMC22 : Where there is no external force acting on a system of particles, the total linear momentum of the system is \_\_\_\_.  
Answer:  
  
Question QMC23 : The quality of sound produced depends upon which of the following vibration of the stretched string?  
Answer:  
  
Question QMC24 : A wave which transports energy as it propagates in space is said to be one of the following  
Answer:  
  
Question QMC25 : The points corresponding to zero amplitude are called \_\_\_\_.  
Answer:  
  
Question QMC26 : One of the following is the name of a point with maximum amplitudes  
Answer:  
  
Question QMC27 : One of the following is the equation of relation between wavelength ,λ, Tension, T and mass per unit length is  
Answer:  
  
Question QMC28 : The property of a wire to tend to come back to its original length when the suspended weight is removed is called  
Answer:  
  
Question QMC29 : The internal force that come to play within a body that is subjected to deforming force is called  
Answer:  
  
Question QMC30 : The maximum stress a material can sustain without undergoing permanent deformation is termed as  
Answer:  
  
Question QMC31 : Which of the following is the principle for measurement of low resistance methods based  
Answer:  
  
Question QMC32 : The resistance to motion of a pendulum bulb is known as \_\_\_\_.  
Answer:  
  
Question QMC33 : One of the following gives the relationship between electromotive force, E, resistance, R length l, resistivity ρ and thermoelectric emf, e  
Answer:  
  
Question QMC34 : When a body is subjected to an external force, it tries to maintain its shape and size. As applied force is removed, it tends to recover its original configuration. This property is known as \_\_\_\_  
Answer:  
  
Question QMC35 : The magnitude of applied force up to which a specimen retains its elastic property is known as \_\_\_\_  
Answer:  
  
Question QFB1 : In semi-conductor, the hole indicate the absence of  
Answer: electrons  
  
Question QFB2 : The ratio of possible error to the total measurement is called \_\_\_\_.  
Answer: Relative error  
  
Question QFB3 : Error due to wear and tear in instruments such as screw gauge or spherometer due to defective fittings is called\_\_\_\_\_\_\_\_\_  
Answer: Back lash error  
  
Question QFB4 : \_\_\_\_ waves are also refer to as standing wave.  
Answer: Stationary  
  
Question QFB5 : The ratio of longitudinal stress to strain within the elastic limit is ­­\_\_\_\_\_\_\_  
Answer: Young modulus    
  
Question QFB6 : The \_\_\_\_ displacement of bob on either side of its equilibrium position is called amplitude.  
Answer: Maximum  
  
Question QFB7 : The points corresponding to zero amplitude are called \_\_\_\_\_.  
Answer: Nodes  
  
Question QFB8 : An isolated system vibrates with its natural \_\_\_\_.  
Answer: Frequency  
  
Question QFB9 : The change in length per unit original length of the wire is called \_\_\_.  
Answer: Longitudinal strain  
  
Question QFB10 : A wave which transports energy as it propagates in space is said to be \_\_\_\_\_.  
Answer: progressive  
  
Question QFB11 : The restoring force per unit area set up inside the body is called \_\_\_\_\_.  
Answer: Stress  
  
Question QFB12 : The type of error present if three or more observers carrying out an experiment separately and using the same set of instruments obtained different sets of values is known as\_\_\_.  
Answer: Random error  
  
Question QFB13 : Errors which affect measurements in a regular way or in some constant proportion such as instrument errors arising from faulty instruments are \_\_\_\_\_\_.  
Answer: Systematic error  
  
Question QFB14 : The opposition offered by resistance is dependent on the frequency in an inductor and a \_\_\_\_\_.  
Answer: Capacitor  
  
Question QFB15 : Error that occur due to parallax in reading a metre scale is called \_\_\_\_.  
Answer: faulty observation  
  
Question QFB16 : The principle of conservation of energy is particular reference to conservation of \_\_\_\_energy  
Answer: Mechanical  
  
Question QFB17 : Beyond the elastic limit the applied force produced \_\_\_\_\_\_deformation  
Answer: Plastic  
  
Question QFB18 : The magnitude of applied force up to which a specimen retains its elastic property defines the elastic \_\_\_\_\_.  
Answer: limit  
  
Question QFB19 : A simple pendulum is a \_\_\_\_\_ body capable of oscillating freely about a horizontal passing through it.  
Answer: Rigid  
  
Question QFB20 : The ability for a material to recover its original configuration is called \_\_\_\_\_.  
Answer: elasticity  
  
Question QFB21 : The simple pendulum has its equilibrium position at the \_\_\_\_\_.  
Answer: center  
  
Question QFB22 : \_\_\_\_\_\_motion is a universal phenomenon  
Answer: Oscillatory  
  
Question QFB23 : The process when the pendulum loses energy due to air resistance is called \_\_\_motion.  
Answer: Damped  
  
Question QFB24 : The period (T) increases with an/a \_\_\_\_\_ in the length of the pendulum.  
Answer: Increase    
  
Question QFB25 : The length of the pendulum can be determined by adding the length of the string with the \_\_\_\_\_ of the pendulum bob.  
Answer: radius  
  
Question QFB26 : A \_\_\_\_\_\_\_time is a more accurate automatic switching device.  
Answer: Digital  
  
Question QFB27 : As the temperature increases, the conductivity of the semi-conductor --------  
Answer: increases  
  
Question QFB28 : An ordinary stopwatch has a least count of \_\_\_\_\_.  
Answer: 0.1seconds  
  
Question QFB29 : The time taken by the pendulum to complete one oscillation is called \_\_\_\_\_.  
Answer: Period  
  
Question QFB30 : The value of certain physical qualities can be determined from the slopes of a \_\_\_\_\_\_ line of graph.  
Answer: Straight  
  
Question QFB31 : The fluctuation in the many times repeated measurement of the same quantity is called \_\_\_\_error.  
Answer: Random  
  
Question QFB32 : Errors arising from arithmetic miscounting a number of periods, faulty electrical contacts, wrong scale reading are \_\_\_\_.  
Answer: Erratic error  
  
Question QFB33 : The systematic errors is also called \_\_\_\_\_errors  
Answer: Determinant  
  
Question QFB34 : Errors arising from various individual judgements in estimating scales, fluctuating conditions in temperature, pressure, voltage measurements and inhomogeneity of material measured are \_\_\_\_\_  
Answer: Random error  
  
Question QFB35 : The measurement of the length of a table yields the following data. L1 = 135.0cm L2 = 136.5cm, L3 = 134.0cm, L4 = 134.5cm. The average value and precision \_\_\_\_is 135.0 cm, 0.375  
Answer: index