

## PPSC Physics Mcq's For Full Book

Sr	Questions	Answers Choice
1	Time period of a simple pendulum depends upon.	A. Thickness of the thread B. Mass of the pendulum C. Length of the pendulum D. Amplitude of vibration
2	The refractive index of benzenes is 1.5 What is the critical angle of benzene.	A. $0.667 \times 10^{-2}$ B. $42^\circ$ C. $48^\circ$ D. $90^\circ$
3	The efficiency of a diesel engine is about	A. 15% to 35% B. 35% to 40% C. 45% to 65% D. 50% to 65%
4	Which of the following refers to the distance from crest to crest of a wave.	A. Frequency B. Wavelength C. Amplitude D. Period
5	The proportion of crystalline to amorphous regions in a polymer depends on its	A. Chemical composition B. Molecular arrangement C. Physical state D. Chemical composition and molecular arrangement
6	The force on a point charge due to electromagnetic fields is called.	A. Lorenz force B. Gauss's force C. Newton's force D. Ampere's force
7	A galvanometer can be converted into voltmeter by connecting in series with the galvanometer a	A. Low resistance B. High resistance C. Resistance of intermediate range D. Shunt
8	The SI unit of radioactivity is.	A. Becquerel B. Curie C. Joule D. rutherford
9	The characteristic of an image formed by a plane mirror is.	A. It is of the same size as the object B. It is laterally inverted C. It is upright D. All of the above
10	A simple pendulum suspended from the ceiling of a lift has a time period T when the lift falls freely the time period of the pendulum will become	A. Zero B. $T/9.8$ C. $9.8 T$ D. Infinity
11	A body is termed as perfectly elastic if.	A. It can move freely B. Its surface is perfectly smooth C. It is not affected by an external force D. It recovers the original shape when the deforming force is removed
12	When a charged particle is moved through a magnetic field it suffers a change in its.	A. Charge B. energy C. Mass D. direction of motion
13	The static friction is.	A. Always equal to dynamic friction B. Always less than dynamic friction C. Always greater than dynamic friction D. Sometimes greater and sometimes less than dynamic friction
14	The temperature of a certain substance in Celsius scale of temperature is $800^\circ\text{C}$ in Kelvin scale it is.	A. 173 K B. 931 K C. 1073 K D. 1193 K

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15 The SI unit of stress is  
A.  $\text{kg m s}^{-2}$   
B.  $\text{kg m}^{-1} \text{s}^{-2}$   
C.  $\text{N m}^{-2}$   
D.  $\text{N m}^{-1}$

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16 The sound velocity in moist air as compared to dry air will be  
A. More  
B. Less  
C. Same  
D. zero

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17 A force passing through the centre of gravity of a body  
A. Causes its translational motion  
B. Causes its rotational motion  
C. Holds the body in equilibrium  
D. Produces both translational and rotational motion.

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18 If the temperature of the source and sink are increased by same amount the efficiency of the engine.  
A. Increases  
B. Decreases  
C. Remains unchanged  
D. May increases or decrease

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19 A relationship between mechanical work and heat energy was firstly established by.  
A. Davy  
B. Count Rumford  
C. Joule  
D. Kelvin

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20 Which of these is not a method of charging.  
A. Friction or rubbing  
B. Induction  
C. Contact or touching  
D. Convection

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