

## PPSC Physics Mcq's For Full Book

Sr	Questions	Answers Choice
1	The force that moves a rocket or a plane forward is called.	A. Lift B. drag C. Thrust D. Turbulence
2	Mean life of a radioactive sample is 100 s its half life will be	A. 0.693 s B. $>1$ s C. 6.93 s D. 69.3 s
3	The emission of Beta particle from protinium -218 results in the formation of.	A. Protactinium -231 B. Thorium -232 C. Astatine -218 D. Radon -222
4	When a transverse wave is reflected on going from a more dense to a less dense medium.	A. There is no phase shift B. There is a $180^\circ$ phase shift C. There is a phase shift of $360^\circ$ D. A crest is transformed to a trough
5	According to kinetic theory of gases one assumes that the collisions between molecules are.	A. Perfectly elastic B. Perfectly inelastic C. Partly elastic D. Partly inelastic
6	Stationary waves are produced when two identical waves are moving on the string.	A. Along the same direction B. Along the opposite direction C. Along the perpendicular direction D. Of length 1 m
7	Which is the correct statement regarding the nature of light.	A. It has wave nature B. It has particle nature C. It has both wave and particle nature at the same time D. It has wave nature sometime and particle nature at some other time.
8	The wavelength of X-rays is of the order of.	A. $10^{-14}$ m B. $10^{-10}$ m C. $10^{-9}$ m D. $10^{-6}$ m
9	X-rays are also used for	A. Ultrasound imaging B. endoscopy C. Computerized tomography scanning D. Magnetic resonance imaging scanning
10	Faraday's law deals with	A. Induced emf B. Motional emf C. Induced current D. Electric current
11	On which factor mutual induction of two coils does not depends upon.	A. Number of turns of the coils B. Area of cross section of the coils C. Closeness of the coils D. Shape of the coils
12	What is the heat required in Kilo joules when the temperature of 100 g of copper is raised through 20 K/. Specific heat capacity of copper is $0.4 \times 10^{-3} \text{ kg}^{-1} \text{ k}^{-1}$	A. 0.4 kj B. 0.8 kj C. 400 kj D. 800 kj
13	A body is said to be in translations equilibrium, only if the vector sum of all the forces acting on it becomes.	A. Double B. Zero C. Maximum D. Quadruples
14	On which factor focal length of eye lens	A. Contraction of eyeball B. Increases in focal length of eye lens C. Relaxation of ciliary muscles D. Contraction of ciliary muscles

14	Short sightedness in the eye occurs due to the.	<p>C. Reduction in focal length of eye lens D. Reduction in distance between retina and eye lens</p>
15	Which six particles and their antiparticles interact by the weak interaction.	<p>A. Leptons B. Hadrons C. Muons D. pi mesons</p>
16	In optics, which subfield studies the measurement of electromagnetic radiation including visible light.	<p>A. Radiometry B. Photometry C. Telemetry D. Chronometry</p>
17	In a photocell, certain metals emit electrons for	<p>A. Visible light B. X-rays C. Infrared light D. Ultraviolet light</p>
18	On which parameter internal energy of an ideal gas depends upon.	<p>A. Volume B. Mass C. Pressure D. Temperature</p>
19	A positive and a Negative charge are initially 4 cm apart When they are moved closer together so that they are now only 1 cm part the force between them is.	<p>A. 4 times smaller than befor B. 4 times larger than before C. 8 times larger than before D. 16 times larger than before</p>
20	The process due to which current flows only during alternate half cycle is known as.	<p>A. Filtration B. saturation C. Half wave rectification D. Full wave rectification</p>