

## PPSC Physics Mcq's For Full Book

Sr	Questions	Answers Choice
1	When two identical travelling waves are superposed, velocity of the resultant wave	A. Remains unchanged B. Decreases C. Increases D. Become zero
2	What is the overall gain, if three amplifiers each with a gain of 30 are cacaded.	A. 30 B. 90 C. 270 D. 27,000
3	The transition of inner shell electrons in heavy atoms gives rise to the emission of.	A. Low energy b-particle B. High energy b-particle C. High energy X- rays D. High energy gama rays
4	A device used to measure the strain of an object and it is a type of resistor that changes value with applied strain is a	A. thermistor B. Strain gauge C. Thermocouple D. Potentiometer
5	Super conductor are used in	A. Fast computer chips B. Magnetic resonance imaging C. Magnetic levitation trains D. All of the above
6	if two conductors in the same vicinity each possess one coulomb of charge of opposite sign when one volt potential difference in established between them we may say they possess	A. A capacitance of one henry B. An inductance of one henry C. An impedance of one ohm D. A capacitance of one farad
7	How much large is the proton mass than the electron mass.	A. 1536 B. 1636 C. 1736 D. 1836
8	Interference fringe spacing depends on	A. The wavelength of light used B. The distance screen from the coherent sources C. Separation between the sources D. All of the above
9	The cathode ray oscilloscope is used	A. For viewing the wave shape of rapidly changing electric current B. As voltmeter C. For measuring time intervals between electricalimpulses D. All of the above
10	The number of 0.0001 is abbreviated correctly by	A. 1 x 10 <sup>4</sup> B. 10 <sup>-3</sup> C. 10 <sup>-4</sup> D. 0.1 x 10 <sup>4</sup>
11	Light waves can be polarized because they	A. have short wavelength B. Have high frequency C. Can be reflected D. Are transverse
12	The half life of a radioactive substance as compared to its mean lif eis.	A. 30% B. 50% C. 70% D. 90%
13	For which of the following objects is the centre of mass equidistant from every point on its surface	A. An unsharpened pencil     B. A gramophone record     C. An egg      D. A table tennis ball
14	The energy following per second through a unit area held perpendicular to the direction of wave is.	A. The loudness of the sound waves B. The pitch of the sound waves C. The intensity level of sound wave D. The intensity of sound waves
		A. 57.3 <sup>o</sup>

15	One radian is equl to	B. 67.3 <sup>o</sup> C. 60 <sup>o</sup> D. 87.3 <sup>o</sup>
16	Difference between the molar heat capacity constant pressure and that a constant volume is equal to	A. Root mean square velocity     B. Mean free path     C. Boltzmann's constant     D. Universal gas constant
17	The magnitude of resultant of three force is 3. If its x-component is 2, Y component is 1. Its 2-component will be.	A. 1 B. 2 C. 3 D. 4
18	Magnetic effect of current was discovered by	A. Faraday B. Fleming C. Oersted D. Ampere
19	If the average velocity of an object zero in some time interval, the displacement of the object for that interval will be.	A. Infinite B. Zero C. Increasing D. Decreasing
20	In a Geiger Marsden experiment why do the great majority of the Alpha particles pass straight through the metal foil.	A. Atomic nuclei may contain neutrons B. Atoms are electrically neutral C. Atoms are largely empty space D. Atoms have positively charged nuclei