

PPSC Physics Mcq's For Full Book

Sr	Questions	Answers Choice
1	A 100 Hz A.C. is following in A 7 mH inductance What is its reactance.	A. 0.4 Ohms B. 4.4 Ohms C. 7 Ohms D. 44 Ohms
2	Two tuning forks of frequencies 260 Hz and 257 Hz are sounded together the number of beats produced per seconds is.	A. 1 B. 3 C. 4 D. 257
3	The reciprocal of decay constant λ of a radioactive element is.	A. Half life B. Mean life C. Total life D. Curie
4	The relation between refractive index and critical angle is.	A. $\sin C = 1/n$ B. $\sin n = 1/C$ C. $\sin c = 1$ D. $n = \sin C$
5	The phenomenon in which a changing current in one coil induces an emf in another coil is called.	A. Induced current B. Induced emf C. Self induction D. Mutual induction
6	A sheet of transparent material with fine equally spaced lines ruled parallel on its surface is called.	A. Interferometer B. Grating element C. ruler D. Patch
7	If an object moves with velocity of light the apparent length of the object moving the direction of motion becomes.	A. Larger B. Smaller C. Zero D. Infinity
8	Who proposed the temperature equalization mechanism of a body by thermal radiations with that of its surroundings.	A. Pierre Provost B. Robert Brown C. Albert Einstein D. Issac Newton
9	Tuning fork is a source of.	A. Heat B. Energy C. Light D. Sound
10	A darling ion amplifier is characterized by	A. High voltage and current gain B. High input resistance and current gain C. High output resistance and current gain D. Low input resistance and current gain
11	Which are different types of emission spectrum	A. Continuous spectrum B. Line spectrum C. Band spectrum D. all of the above
12	What type of process is the Carnot's cycle.	A. Reversible B. Irreversible C. Neither reversible nor irreversible D. May be reversible or irreversible
13	The instantaneous voltage across a pure inductance.	A. Leads the current by 90° B. Lags the current by 90° C. Is in phase with the current D. Leads the current by a phase angle which depends on the frequency
14	The impedance of a pure anti resonant circuit at resonance is.	A. Zero B. Unity

		C. Infinity D. 0.5
15	In half wave rectifier the rms value of A.C. component of the wave is.	A. More than A.C. Value B. Less than D.C. value C. Same as that of D.C. D. Not detectable
16	Max. Planck was awarded Nobel prize in.	A. 1916 B. 1918 C. 1921 D. 1923
17	A force of 100 N acts on body of mass 5 kg for 10 s. The velocity of the body will be.	A. 2 ms ⁻¹ B. 20 m s ⁻¹ C. 200 ms ⁻¹ D. 2.000 m s ⁻¹
18	During an adiabatic gas expansion the environment	A. Serves as a heat sink B. Serves as a heat source C. Must be at a higher temperature than the gas D. Does not have to participate
19	In L - C parallel circuit the coil draws a.	A. Lagging current B. Leading current C. Lagging voltage D. Leading voltage
20	When forward bias is applied to a junction diode it.	A. Increases the potential barrier B. Decreases the potential barrier C. Reduces the majority carrier current to zero D. Reduces the minority carrier current to zero