

PPSC Physics Mcq's For Full Book

Sr	Questions	Answers Choice
1	For maximum range angle of projection of the projectile should be	A. 45° B. 90° C. 120° D. 180°
2	In a purely inductive circuit, the current	A. Lags behind the emf by 90° B. Leads the emf by 90° C. Is in phase with emf D. May lag or lead the emf
3	The temperature which is the same in $^\circ\text{C}$ and $^\circ\text{F}$ is.	A. -20 B. -40 C. 20 D. 40
4	Which one of the following is not a measure of electric power.	A. V_i B. I^2R C. VR^2 D. V^2/R
5	The term radius of gyration relates to.	A. Moment of force B. Moment of inertia C. Law of gravitation D. simple harmonic motion
6	Charge to mass ration of an electron is determined by using the relation.	A. $e/m = B/rv$ B. $e/m = r/vB$ C. $e/m = V/Br$ D. $e/m = v/r$
7	An ice making machine extracts energy at the rate of 500 W The specific latent heat of fusion of ice is 300 kJ kg ⁻¹ . How long does it take to freeze 2 kg of water at 0 $^\circ\text{C}$.	A. 120 s B. 150 s C. 1200 s D. 1500 s
8	Which one of the following is not a dimensionless quantity.	A. Radian B. pi C. Decibel D. Force
9	The work required to lift a ball of mass 'm' from the surface of the earth to an infinite distance is	A. Absolute P.E. of the body B. P.E of the body C. K.E. of the body D. Chemical energy of the body
10	Solar cells are thin wafers made from	A. Uranium B. Nickel C. Silicon D. Cadmium
11	An operational amplifier can be used as a	A. Comparator B. Night switch C. Inverting and non inverting amplifier D. All of the above
12	The cloud chamber was invented by C.T.R. Wilson in	A. 1905 B. 1907 C. 1909 D. 1911
13	Which of the following configuration of BJTs gives both voltage gain and current gain.	A. common Base B. Common Emitter C. Common collector D. All of the above
14	A given mass of air occupies 12 m ³ at normal atmospheric pressure if the pressure is increased to 4 times the original value without changing the temperature what volume will the air occupy.	A. 3 m ³ B. 6 m ³ C. 9 m ³ D. 12 m ³
		A. 0.5 Sv per year

15	The back ground radiation in the atmosphere on the average is	B. 1.0 Sv per year C. 1.5 Sv per year D. 2.0 Sv per year
16	By decreasing angle between two vectors their cross product.	A. Increases B. Decreases C. Remains the same D. Vanishes
17	The reluctance of a body to start moving is called.	A. Mass B. Weight C. Force D. Inertia
18	A freshly made sample of radioactive material gives a count rate of 8,000 counts per minute After twenty days it gives a count rate of 500 counts per minute What is the half life of the materials.	A. 5 days B. 10 days C. 40 days D. 20 days
19	Which statement about the image formed by a convex lens is correct.	A. It is always real and erect B. It is always real and inverted C. It is always virtual and erect D. It may be either virtual or real
20	Davison and Germer received the Nobel Prize in	A. 1929 B. 1931 C. 1935 D. 1937