

PPSC Physics Mcq's For Full Book

Sr	Questions	Answers Choice
1	For an A.C. circuit the power factor is	A. Always less than one B. Always greater than one C. Always equal to one D. Absent
2	Which of the following quantity is analogous to temperature in electricity.	A. Charge B. Resistance C. Inductances D. Potential
3	A single silicon photovoltaic cell produces a current of the order of.	A. A few milliamperes B. 10^{2} A C. 10^{3} A D. 10^{4} A
4	To measure the accurate value of potential difference across two points, the voltmeter should have.	A. Zero resistance B. small resistance C. Large resistance D. Infinite resistance
5	The ratio of specific heat capacity to molar heat capacity of a body	A. Is a universal constant B. Depends upon the mass of the body C. Depends upon the molecular weight of the body D. Is dimensionless
6	Prince Louis and Victor de Broglie received the Nobel prize in.	A. 1919 B. 1923 C. 1927 D. 1929
7	The point midway between the lens surface on its principal axis	A. Optical centre B. Principal focus C. Focal plane D. Focal length
8	The emission of electrons from a metal surface when exposed to light of suitable frequency is called.	A. Pair production B. Compton effect C. Photo electric effect D. Zeeman effect
9	The particles equal in mass or greater than protons are called.	A. Mesons B. Bosons C. Baryons D. Nucleons
10	The process of pair production will take place if the energy of photon is greater than.	A. 0.21 MeV B. 0.51 MeV C. 1.51 MeV D. 1.21 MeV
11	The diver spins faster when moment of inertia becomes	A. Smaller B. Greater C. Double D. zero
12	The energy in an electromagnetic wave is carried in the units called.	A. Protons B. Electrons C. Neutrons D. Nucleus
13	Negative feedback	A. Increases stability B. Decreases stability C. Produces oscillatory D. Cannot occur
14	What is the overall gain, if three amplifiers each with a gain of 30 are cascaded.	A. 30 B. 90 C. 270 D. 27,000
15	If a body of mass 'm' was released in a vacuum just above the surface of a planet of mass M and radius R what will be the gravitational acceleration.	A. Gm/R B. GM/R^2 C. GMR D.

16	The mass of an helium nucleus is equal to.	A. 2.0015 u B. 3.0015 u C. 4.0015 u D. 5.0015 u
17	The discovery of interference of light was made possible in.	A. 1801 B. 1901 C. 1825 D. 1925
18	One rem is equal to.	A. $>0.1 \text{ Sv}$ B. 0.01 Sv C. 0.001 Sv D. 0.0001 SV
19	Which of the following quantities is not changed during refraction of light.	A. Its direction B. Its speed C. Its frequency D. Its wavelength
20	If we use two diodes and a centre tapped transformer we eill get	A. Transistor B. Amplifier C. Half wave rectifier D. Full wave rectifier
