

PPSC Physics Mcq's For Full Book

Sr	Questions	Answers Choice
1	Two convex lens focal length 'f' use din combination become telescope. When the distance between them is.	A. 1 B. 4f C. 2f D. f/2
2	Susceptance of a circuit is the reciprocal of.	A. Admittance B. Resistance C. Reactance D. Impedance
3	Rainbows and mirage are formed by	A. Reflection only B. Refraction only C. dispersion only D. A combination of refraction, total internal refraction and dispersion
4	Which of the following is not a mode of radioactive decay	A. Nuclear fusion B. Alpha decay C. Electron capture D. Positron emission
5	The phenomenon in which a photon of frequency 'f' is scattered by an electron and the scattered photon has frequency $f' < f$ is known as.	A. Pair production B. Pair annihilations C. Photoelectric effect D. Compton's effect
6	With increase in temperature the angle of contact of liquid.	A. Increases B. Decreases C. Becomes zero D. First increase then decreases
7	A wire stretches 8 mm under a load of 60 N A second wire of the same material with half the diameter and a quarter of the original length of the first wire, is stretched by the same load What is the extension of the wire.	A. 1 mm B. 4 mm C. 8 mm D. 16 mm
8	The phenomenon of natural radioactivity was discovered by	A. Lord Rutherford B. James Chadwick C. Herie Becquerel D. Maria curie
9	Which of the following is an example of an irreversible process.	A. Isothermal and adiabatic process B. Melting of ice C. Work done against friction D. Pettier effect
10	When an unbalanced external force acts on a body for a short interval of time.	A. The body will experience an impulse. B. The momentum of the body increases C. The velocity of the body increase D. The body is not effected
11	The amplitude of a vibrating body at resonance place in vacuum is.	A. zero B. Maximum C. Minimum D. Infinite
12	An oscillator is basically an amplifier with loop gain	A. Zero B. Less than unity C. More than unity D. Infinity
13	When speed of a moving body becomes double.	A. Its K.E. is doubled B. Its acceleration is doubled C. Its P.E. is doubled D. Its momentum is double
14	The change in wavelength of an X-ray when scattered from an electron is called.	A. Compton shift B. Doppler shift C. Stefan's law D. Fraunhofer lines
		A. 20 Hz

15	The mains frequency in Pakistan is	B. 50 Hz C. 40 Hz D. 60 Hz
16	48 days after the receipt the amount of iodine -131 left behind is only.	A. 0.1325 g B. 0.2135 g C. 0.3125 g D. 0.1235 g
17	The amount of heat developed in a resistor is directly proportional to.	A. The square of the current only B. The resistance of the conductor only C. The time of current passing only D. The square of current resistance and teh time of current flow
18	Infrared radiation is also known as	A. Radio signals B. Heat radiation C. Magnetic resonance waves D. RADAR
19	In case of a convex lens the rays closed to and parallel to the principal axis will converge after refraction by the lens at a point.	A. Optical centre B. Principal focus C. Focal plane D. Principal axis
20	A device which converts electrical energy into mechanical energy is called.	A. A.C generator B. D.C. generator C. Motor D. Commutator