

MDCAT Physics MCQ's Test

Sr	Questions	Answers Choice
1	The atom or molecules in crystalline solids are held together by:	A. Cohesive force B. Adhesive force C. Gravitational force D. Magnetic forces
2	The twinkling of stars is due to	A. The fact that stars do not emit light continuously B. The refractive index of the earth's atmosphere fluctuate C. Intermittent absorption of star light by its own atmosphere D. None of these
3	If S is the stress and Y is Young's modulus of the material of a wire, the energy stored in the wire per unit volume is	A. $2S^2/Y$ B. $S^2/2Y$ C. $2Y/S^2$ D. $S/2Y$
4	Zirconia is classified as:	A. Ceramic solid B. Ionic compound C. Metal D. Either A or B E. Either B or C
5	The property due to which the size or shape of a lattice is not important is called	A. Cleavage B. Anisotropy C. Homogeneity D. None of these
6	Which of the following substances possesses the highest elasticity?	A. Al B. Copper C. Steel D. Rubber
7	If Young's double slit experiment is immersed in water then the fringes with	A. Decreases B. Remains unchanged C. Becomes infinite D. Increases
8	An object is placed at a distance 18 cm from a convex lens. The image is formed at a distance of 9 cm the focal length of the lens is	A. 6 cm B. 9 cm C. 10 cm D. 18 cm
9	The electrons in the outermost shell are called	A. Super electrons B. Valance electrons C. Full valance D. Upper deep up
10	After curie temperature iron is	A. Ferromagnetic B. Diamagnetic C. Paramagnetic D. None
11	Sunset makes sky appears reddish because of:	A. Diffraction of sun rays B. Refraction of light C. Scattering of light from dust particles D. Polarization of light
12	One cannot see through fog because	A. Fog absorbs light B. The refractive index of fog is infinity C. Light suffers total reflection at the droplet in a fog D. Light is scattered by the droplets in fog
13	Every point of a wavefront may be considered as a	A. Source B. Source of wavefront C. Source of secondary wavefront D. None of these
14		A. Fission of nucleus B. Disintegration of neutrons

14	The phenomenon of radioactivity is associated with:	C. Emission of spectral lines D. Spontaneous disintegration of the nuclei of atoms
15	Who confirm the wave theory of light ?	A. Newton B. Michelson C. Newton D. Thomas Young
16	After elastic limit the shape of graph is	A. Curved B. Straight Line C. Saw tooth D. Arbitrary
17	Polymers are the chemical combination of carbon with:	A. Nitrogen B. Oxygen C. Hydrogen D. All of these E. None of these
18	Which of the quantity is dimensionless:	A. Strain B. Stress C. Modulus of elasticity D. Work E. Entorpy
19	There is a certain frequency below which no electrons are emitted from the metal surface, this frequency is known as:	A. Critical frequency B. Threshold frequency C. Maximum frequency D. Minimum frequency
20	In semiconductors at 0 K the valence band is	A. Completely filled B. Partially filled C. No D. Yes