

MDCAT Physics MCQ's Test

Sr	Questions	Answers Choice
1	The critical angle for a ray of light suffering total internal reflection will be smallest for the ray traveling from	A. Water to glass B. Water to air C. Glass to air D. Glass to water
2	The experimental evidence in support of wave theory in Huygen's time was	A. not present B. not convincing C. convincing D. none of them
3	The electrical behavior of semiconductor depends on the material purity which is	A. Sensitive B. Extremely sensitive C. Non-sensitive D. None of these
4	The measure of deformation in a certain solid due to the action of stress is called	A. Hooke's law B. Mechanical advantage C. Stress D. Strain
5	S.I unit of stress is	A. N/m B. N m C. Nm^{-2} D. newton
6	The magnetism produced by electrons within an atom from motion/motions of electron.	A. One motion B. Two motions C. Three motions D. None of these
7	The conductivities of conductors (metals) have	A. $10^{5-1} (\Omega)^{-1}$ B. $10^{7-1} (\Omega)^{-1}$ C. $10^{8-1} (\Omega)^{-1}$ D. $10^{9-1} (\Omega)^{-1}$
8	A charge of 2C experiences a force 2000N in a uniform electric field. In this field the potential difference between two points separated by a distance 1cm is	A. 2V B. 10V C. 5V D. 20V
9	A point on the rim of wheel 400 cm in diameter has a velocity of 1600 cm s^{-1} . The angular velocity of the wheel is:	A. 6 rad/s B. 4 rad/s C. 2 rad/s D. 8 rad/s
10	Two astronauts in a satellite must have	A. Same masses B. Same real weights C. Same apparent weights D. None of these
11	To find wavelength of light by his experiment. Newton utilized:	A. Principle of phase change B. Snell's Law C. Bragg's law D. Both (A) and (C)
12	When the light is incident on polarizing angle which of the following is completely polarized?	A. Reflected light B. Refracted light C. Both reflected and refracted light D. Neither reflected nor refracted light
13	The 'emf' is always even when no current is drawn through the battery of the cell:	A. Zero B. Present C. Absent D. Maximum
14	In terms of energy bands, semiconductors are those materials which at room temperature have conduction band	A. Partially filled B. Full filled C. Slightly filled D. None of these

15	The amorphous material (solids) have	A. No structure B. No melting point C. No definite shape D. All of them
16	In Micheal sons interfrometes apparatus the numbers of mirrors and glas plates are used respectively ara	A. 2,2 B. 2,3 C. 3,2 D. 3,3
17	The time of flight of a projectile is maximum when angle of projection is:	A. 30 Degree B. 45Degree C. 60Degree D. 90Degree
18	The modulus of elasticity of a liquid is:	A. Zero B. 1 C. Infinity D. A value not one of those mentioned above
19	In compound microscope magnification of objective is 2 and magnification of eyepiece is 4 magnification of compound microscope is	A. 2 B. 6 C. 8 D. None
20	According to the relation for constructive destructive interference, the point of contact has zero thickness of air so it should have	A. No interference B. Conductive interference C. Destructive interference D. None of these