

## MDCAT Physics MCQ's Test

Sr	Questions	Answers Choice
1	If the angle of refraction is $90^\circ$ , for which the angle of incidence is called	A. Incident angle B. Critical angle C. Angle of emergence D. None of these
2	Stress change the shape, volume or length of a body due to the	A. Applied force B. External force C. Force D. Force on unit area
3	Bulk modulus is involved when the deformation is:	A. One dimensional B. Two dimensional C. Three dimensional D. Any of these E. None of these
4	Glass is an example of	A. crystalline solid B. amorphous solid C. polymeric solid D. none of them
5	Three quarks make up a:	A. Leptons B. Mesons C. Baryons D. Quark
6	If the distance of a surface from light source is doubled, then the luminance will become	A. 1/4 times B. 1/2 times C. 2 times D. 4 times
7	The measure of the deformation in a solid when stress is applied to it is called	A. elastic constant B. Young's modulus C. strain D. elasticity
8	A typical diffraction grating has lines per centimeter is about	A. 500 to 6000 B. 400 to 5000 C. 450 to 5500 D. 425 to 5670
9	The substance, which exists in two or more crystal forms under different conditions is called:	A. Isomorphism Substance B. Allotropic substances C. True substances D. Polymorphous substances
10	The medium in which speed of light is the same in all directions is called	A. non-homogeneous medium B. homogeneous medium C. both of them D. empty medium
11	While vibrating the atoms are at their	A. Fixed positions B. Extreme position C. Average positions D. None of these
12	A _____ lens is used in the apparatus to get Newton's rings	A. Plano-concave B. Plano-convex C. Convexo-concave D. Double convex
13	The phenomenon of diffraction can be exhibited by	A. Polarized waves only B. Un polarized waves only C. Longitudinal waves only D. All polarized or un polarized waves and longitudinal or transverse waves
14	Electric current is defined as:	A. Flow of charges through conductor B. Rate of flow of charges through conductor C. Flow of electrons D. Flow of protons
		A. Greater than

15	The ratio of the diameter of two convex lenses is the ratio of their focal lengths	B. Less than C. Equal to D. None
16	At what distance should a book be placed from a 50 Cd bulb so that the luminance on the book becomes $2 \text{ lm m}^{-2}$	A. 50 m B. 10 m C. 5 m D. 1 m
17	A listener observes the frequency "f" of stationary source. If it move toward with 3 times of velocity of sound. Then the apparent frequency of the sound will be	A. f B. 3f C. f/2 D. 4f
18	If light of low wavelength is used in Young's double slit experiment then width of the fine will	A. Decreases B. Increase C. Not fixed D. No change
19	Television signal are converted into light signals by	A. Decoder B. Transistor C. Photodiode D. Optical fibre
20	A wire breaks of stretched by more than 3mm. It is cut into equal parts. Then each part can be stretched with out-breaking by	A. 0.75 mm B. 1.5 mm C. 3.0 mm D. 6.0 mm