

## MDCAT Physics MCQ's Test

Cr.	Questions	Anguero Choice
Sr	Questions	Answers Choice
1	The diodes works on	A. A.C B. D.C C. both A and B D. None of these
2	Insulators are those materials which valence electrons are bound	A. Loosely  B. Tightly C. Very tightly D. None of these
3	Light of frequency 1.5 times the threshold frequency is incident on a photo sensitive material. If the frequency is halved and intensity is doubled the photo electric current becomes	A. Four times B. Half C. Double D. Zero
4	The magnifying power of a compound microscope can be increased if we use objective lens of	A. Large focal length B. Small focal length C. Same focal length D. None of these
5	The SI unit of stress is some as that of:	A. Pressure B. Momentum C. Impulse D. Change momentum E. Force
6	The young s modulus of a wire of length L and radius r is Y if the length is reduced to $L/2$ and radius to $r/2$ its young s modulus wire be	A. Y / 2 B. Y C. 2 Y D. 4 Y
7	If we know the refractive index of glass, speed v of light in the glass can be found by	A. v = c n B. v = c/n C. v = n/c D. None of these
8	Which of the following is responsible for the motion of the bob of the simple pendulum:	A. mg sin□ B. Tension T C. mg cos□ D. mg
9	Continuous spectrum of X-rays id due to an effect known as	A. Photoelectric effect B. Compton effect C. Heisenberg effect D. Bremsstrahlung
10	The minimum distance between a source and the screen for which a real image is possible with a convex lens is	A. Its focal length B. Twice the focal length C. Four times the focal length D. Square of the focal length
11	The potential difference between head and tail of an "electric eel" can be upto.	A. 6V B. 60V C. 6000V D. 600V
12	Polymers have naturally combinations like with	A. Oxygen B. Sulphuric C. Hydrocarbons  D. Oxygen and carbons
13	Resolving power of a telescope depends on:	A. The magnification of eyepiece     B. The focal length of objective lens     C. Diameter of objective lens     D. Refractive index of objective lens
14	Brownian motion confirms the truth of :	A. Wave theory of light B. Boyle's law C. Kinetic theory of gases D. Adiabatic process
15	The optical fibre is covered for protection with	A. rubber jacket B. plastic jacket C. steel jacket

		D. copper jacket
16	Soap bubble looks colored due to	A. Dispersion B. Reflection C. Interference D. Any one of these
17	When a silicon crystal is doped with a trivalent element, then the atom of the trivalent element is known as	A. acceptor B. donor C. either of them D. none of them
18	If the K.E. of a body is increased by 300%, its momentum will increase by:	A. 100 % B. 150 % C. √300% D. 175 %
19	If focal length of objective is increased	A. Magnifying power of compound microscope decreased B. Magnifying power of astronomical telescope increases C. The diameter of the objective lens D. None of these
20	Young's modulus for tungsten is	A. 90 B. 190 C. 390 D. 590