MDCAT Physics MCQ's Test

Sr	Questions	Answers Choice
1	Every crystalline solid has a melting point	A. Definite B. Not definite C. Any D. Change every time
2	Aerodynamics is a branch of:	A. Hydrodynamics B. Thermodynamics C. Both of them D. Statics
3	Supplementary unit/s in SI units is/are:	A. Radian B. Steradian C. Degree D. Only a and b E. all of these
4	A light and a heavy body have equal momenta. Which one has greater K.E?	A. The light body B. The heavy body C. The K.E are equa D. Data is incomplete
5	The average time the Earth takes to make exactly one rotation about its axis is defined as:	A. A solar hour B. A solar day C. A light year D. A solar month
6	Propagation of light in an optical fibre requires that the light should	A. be partially confined within the fibre B. be totally confined within the fibre C. not be confined within the table D. none of them
7	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
8	Crystalline solids have the properties such as	A. Regular arrangement B. Covalent bonding C. Some what defective D. All of them
9	The cause of power loss in optic fibre is	A. Absorption B. Scattering C. Dispersion D. All
10	A person weighing 20 mg walks on a level platform with a speed of 2 ms-1 . The work by the person against the force of gravity is:	A. Zero B. 2J C. 60J D. 600J
11	A beam of light of wavelength is incident normally on a grating of element d the angle between the zero-order and first -order spectra depends on	A. λ only B. d only C. λ and d D. λ d and distance of screen from the grating
12	Which of the following is conserved when light waves interfere	A. Intensity B. Energy C. Amplitude D. Momentum
13	Spectrometer using diffraction grating can measure	A. Wavelength of light B. Frequency of light C. Intensity of light D. None of these

14	Where in standing wave, do the vibrations of the medium occur?	A. Only at the nodes B. Only at the antinodes C. At all points between the nodes D. At all points between the antinodes
15	In Young's double slit experiment,the separation between the slits is made 3 fold the fringe width becomes	A. 1/3 times B. 1/9 times C. 3 times D. 9 times
16	A cable breaks if stretched by moe than 2mm, it is cut into two equal parts. How much either [art can be stretched without breaking?	A. 25 m B. 1 mm C. 2 mm D. 0.5 m
17	The junction potential for Germanium is;	A. 3v B. 0.3 v C. 7v D. 0.7 v
18	Zero order image formed by the grating when the angle the along the direction of normal to grating is	A. Zero B. 90^o C. 180^o D. None of these
19	The shearing strain is measured by	A. Angle of rotation B. Shearing stress C. Angle of shear D. Modulus of rigidity
20	One metre has _____ nanometer and one nanometer has ___ meter.	A. 10⁵ ,10⁵ B. 10⁹ ,10⁻⁹ C. 10⁻⁹,10⁹ D. 10⁵,10⁻⁵