

MDCAT Physics MCQ's Test

Sr	Questions	Answers Choice
1	A satellite moving round the earth constitute	A. An inertial frame of reference B. Non inertial frame C. Neither inertial nor non inertial D. Both inertial and non-inertial
2	For the sustained interference of light the necessary condition is that the two sources should	A. Have constant phase difference B. Be narrow C. Be close to each other D. Of same amplitude
3	Newton's rings are:	A. Concentric circles B. spherical C. None of these D. Rectangular
4	The curie temperature for iron is	A. 750°C B. 570°C C. 750°k D. 57°K
5	By which principle we can locate the position of new wavefront after a later time?	A. principle of irreversibility B. principle of light C. Archimedes principle D. Huygen's principle
6	The ability of the body to return to its original shape is called	A. deformation B. stretching C. compressing D. elasticity
7	The magnification of a simple microscope of focal length 5cm is	A. 3 B. 5 C. 6 D. 20
8	In a crystal the density of atoms or molecules does not vary from direction to direction. This is known as:	A. Cleavage B. Anisotropy C. Homogeneity D. None of these
9	For obtaining equal and same height mirror should be	A. Convex B. Concave C. Plane D. None
10	For a particle in circular motion the centripetal acceleration	A. may be more or less than its tangential acceleration B. equal to its tangential acceleration C. more than its tangential acceleration D. less than its tangential acceleration
11	The band above the valence band is	A. Completely filled band B. Conduction band C. Forbidden energy band D. None of these
12	Who gave the corpuscular nature of light	A. Einstein B. Newton C. Maxwell D. Thomas young
13	Every crystalline solid has	A. definite melting point B. different melting points C. may or may not be definite D. none of them
14	When a large number of atoms are brought close to one another to form a solid, each energy level of an isolated atom splits into sub-levels, called	A. energy bands B. energy shells C. states D. all of them

15	The refractive index of a medium is defined as a ratio	
16	Which of the following is not true for a crystalline substance	A. Shorter range order B. Isotropic electrical conductivity C. Flat surface D. Sharp melting point
17	A telescope has an objective of focal length 10 cm the magnifying power of telescope is 5. Its length in normal adjustment is	A. 7.5 cm B. 10.5 cm C. 12 cm D. 15 cm
18	Work function of all metals varies from 2 eV to 4 eV. It is 4.2 eV for Aluminum and 2 eV for Sodium. If these two metals are illuminated by same light, the threshold frequency of Aluminum is	A. Less than Sodium B. Equal to that of Sodium C. Greater than Sodium D. Can't be decided
19	Given that grating element = 0.2×10^{-3} cm in case of a diffraction grating. Then number of lines per centimeter will be	A. 500000 B. 5000 C. 50 D. 5
20	SI unit of kinetic energy of rotation is	A. joule second B. joule C. joule second D. joule meter