

MDCAT Physics MCQ's Test

| Sr | Questions | Answers Choice |
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| 1 | The optical fibre is covered for protection with | A. rubber jacket B. plastic jacket C. steel jacket D. copper jacket |
| 2 | Which one of the following is an optically active substance? | A. Quartz crystal B. Calcite crystal C. Sugar solution D. All of these |
| 3 | A semiconductor in its extremely pure form is known as | A. Extrinsic semiconductor B. Intrinsic semiconductor C. Both a and b D. None of these |
| 4 | The simplest type of rectification known as half wave rectification is obtained by | A. Using a transistor B. Suppressing the harmonics in A.C. voltage C. Suppressing half wave of A.C. supply by using diode D. Using a Coolidge |
| 5 | Carnot engine is _____ heat engine. | A. A reversible B. An irreversible C. An ideal D. Both A and C |
| 6 | Monochromatic light directly means waves of | A. Same frequency B. Same color C. Same wavelength D. All of them |
| 7 | The SI unit of stress is same as that of. | A. Momentum B. Pressure C. Force D. Length |
| 8 | In case of constructive interference of two waves, the amplitude of the resultant wave is _____ either of the waves: | A. Greater than B. Equal to C. Smaller than D. None of these |
| 9 | A geometric shape of a solid obtained by regular, respective, three-dimensional arrangements of its molecules, atoms or ions is called a: | A. Crystal B. Crystal Lattice C. Crystal plane D. None of these |
| 10 | In case of planets the necessary acceleration is provided by | A. Gravitational force B. coulomb force C. frictional force D. centripetal force |
| 11 | The area of hysteresis loop is an indication of the | A. Permeability of the material B. Susceptibility of the material C. Retentivity of the material D. Energy dissipated per cycle |
| 12 | In which of the following, Doppler's effect is not applicable? | A. To find speed of satellite B. To find objects under water C. To find speed of star D. To tune a musical instrument |
| 13 | Question Image | |
| 14 | Of electron of 50 keV strike a heavy target. Then radiation emitted by target will be | A. Visible light B. Radio waves C. Ultraviolet D. None of these |
| 15 | The wave length of x-rays is of the order of | A. 10^{-17} m B. 10^{-4} cm C. 10^{-9} m D. 10^{-10} m |

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| 16 | The force which provides the necessary centripetal force to keep the mud in circular path is called | A. cohesive force B. adhesive force C. frictional force D. <div>gravitational force</div> |
| 17 | If the cover of a red book is observed in monochromatic blue light, It will appear | A. White B. Red C. Black D. Blue |
| 18 | The length and width of a rectangular plate are measured to be 15.3 cm, and 12.80 cm, respectively the area of plate is: | A. 195.84 B. 195.8 C. 195 D. any of these |
| 19 | The diffraction of light occurs, due to interference, of | A. Obstructed portion B. Unobstructed portion C. Both obstructed and unobstructed light D. None of these |
| 20 | The medium in which speed of light is the same in all directions is called: | A. Homogeneous B. Heterogeneous C. Non-homogeneous D. Free space |