

MDCAT Physics MCQ's Test

Sr	Questions	Answers Choice
1	The SI unit of stress is same as that of	A. Momentum B. Pressure C. Force D. Length
2	Young's modulus for concrete is	A. 10 B. 15 C. 25 D. 30
3	The principle of Michelson's interferometers is	A. Refraction B. Dispersion C. Interference D. Reflection
4	On heating, it becomes a very viscous liquid at almost	A. 500 C ^o B. 800 C ^o C. 900 C ^o D. 1000 C ^o
5	Why laser rays are used to measure long distance?	A. Laser rays propagate in a straight B. Laser rays are not absorbed C. Laser rays are most coherent waves D. Laser rays are high velocity waves
6	The interference fringes are of	A. equal width B. variable width C. zero width D. non-uniform width
7	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
8	The product of resistance and conductance of a resistors is equal to:	A. 1 B. Conductivity C. Resistivity D. Zero
9	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
10	The nature of thermal radiation is smaller to:	A. Ultraviolet rays B. Light rays C. Both of them D. None of these
11	Which of the given elements is a diamagnetic material	A. Antimony B. Bismuth C. Copper D. All of these
12	The light signal in graded index fibre is totally confined due to	A. Total internal reflection B. Continuous refraction C. Both a and b D. Dispersion
13	In the phenomenon of interference, the bright and dark fringes are of	A. Different width B. Equal width C. Dark fringes are thicker than bright D. Nona of these
14	In an interference pattern of Ypung's double Slit (YDS) experiment:	A. Bright fringes are wider than dark fringes B. Dark fringes are wider than bright fringes C. Both dark and bright fringes are of equal width D. Central fringes are wider than the outer fringes

15	The resolving power of human eye is	<p>A. 1.23×10^{-6} rad</p> <p>B. 2.39×10^{-6} rad</p> <p>C. 3.23×10^{-6} rad</p> <p>D. 6.23×10^{-6} rad</p>
16	Which of the following material have young and bulk modulus are same	<p>A. Brass</p> <p>B. Bone</p> <p>C. Aluminum</p> <p>D. Steel</p>
17	Time taken by light from Sun to reach Earth is	<p>A. 500 seconds</p> <p>B. 800 seconds</p> <p>C. 400 seconds</p> <p>D. 700 seconds</p>
18	Identify the incorrect statement	<p>A. The distance between the objective and eye-piece is 16.02 cm</p> <p>B. The angular magnification of the planet is 800</p> <p>C. The image of the planet is inverted</p> <p>D. The objective is larger than the eye-piece</p>
19	When the object lies between F and 2F the image formed by a convex lens is	<p>A. Real</p> <p>B. Virtual</p> <p>C. Diminished</p> <p>D. Erect</p>
20	The maintaining the elastic limits of any body, the relation stress to strains is called	<p>A. Hooke's law</p> <p>B. Pascal's law</p> <p>C. Young's law</p> <p>D. None of them</p>