

MDCAT Physics MCQ's Test

Sr	Questions	Answers Choice
1	The critical temperature of aluminum is	A. 1.18 K B. 4.2 K C. 3.72 K D. 7.2 K
2	Which of the following have maximum ionization power?	A. α -rays B. β -rays C. γ -rays D. Same for all
3	Polymeric solids have the structure	A. One dimensional B. Two dimensional C. Zero dimension D. Three dimensional
4	An angle of 180° in circular motion is equivalent to _____ in SHM.	A. Half the vibration B. One vibration C. 3/4th of a vibration D. None of these
5	The distance covered by a body in time 't' starting from rest is:	A. $\frac{1}{2} vt^2$ B. vt C. $\frac{1}{2} vt^2$ D. vt^2
6	The energy need to magnetize and demagnetize the specimen during the each cycle of magnetizing current is	A. Value of current B. Value of demagnetizing current C. Value of magnetic flux density D. Area of the loop
7	3 joules of work is done in 3 seconds, then power is:	A. 6 watt B. 3 watt C. 18 watt D. 1 watt
8	A line normal to the wave front is called	A. A beam of light B. A ray of light C. Both D. None of these
9	Shear modulus for glass is	A. 23 B. 39 C. 52 D. 69
10	In compound microscope the focal length of eye piece is	A. Large B. Small C. Same as objective D. None of these
11	The greatest stress that a material can endure without losing the proportionality between stress and strain is called	A. Plasticity B. Breaking point C. Proportional limit D. Strain
12	The results of mechanical tests are usually expressed in terms of:	A. Stress B. Applied force C. Strain D. Deformation E. All of these
13	Semi-conductor elements have atoms with	A. 2 valence electrons B. 3 valence electrons C. 4 valence electrons D. 5 valence electrons
14	The number of electrons emitted depend upon	A. Colour of target surface B. Shape of surface C. Frequency of incident light D. Intensity of incident light
15	Which of the following quantities /quantity becomes zero at any moment during oscillation.	A. Speed B. Acceleration C. Momentum D. Displacement

D. All of these

16 Photo cells is a device which convert light into:

- A. Wave nature
- B. Particle nature
- C. Particle wave nature
- D. Dual nature

17

18 A ray of light always points

- A. Anti parallel to wave front
- B. Perpendicular to wave front
- C. Parallel to wave lets
- D. None

19 Two satellites are going around the earth at a height of 250 km and 450 km respectively. If angular speed for both is same, then centripetal acceleration will be.

- A. more for first
- B. more for second
- C. same for both
- D. nothing can be decided

20 After curie temperature iron is

- A. Ferromgnetic
- B. Diamagnetic
- C. Paramagnetic
- D. None