MDCAT Physics Chapter 7 Light Online Test

Sr	Questions	Answers Choice
1	We can divide the optical fibres on the basis of the mode by which they propagate light in	A. two types B. three types C. four types D. many types
2	Spectrometer can measure quite accurately prism	A. Deviation of light by a glass prism B. Angle of prism C. Refractive index of the material of prism D. None of these
3	To wavelength of light by his experiment , Newton utilized:	A. Wavelength of light B. Intensity of light C. amplitude wave D. None of above
4	If the focal length of the eye piece 25.0 mm find its magnification	A. 12.0 B. 14.0 C. - 11.0 D. - 13.0
5	At the point of contact of the lens and the glass plate, the incident and reflected rays interfere	A. constructively B. destructively C. either of them D. none of them
6	The blending of light when it passes from one medium to another is known as:	A. Refraction B. Interfarance C. Polarization D. Both (B) and (C)
7	Light appears to travel in straight line because	A. It is not absorbed by the atmosphere B. It is refracted by the atmosphere C. Its wavelength is very small D. Its velocity is very large
8	Graham Bell photo phone used a modulated beam of	A. Reflected sun light B. Refracted sun light C. Diffracted sun light D. None of these
9	How is the image formed by a convex lens affected if the upper half of the lens is covered with a paper	A. The upper half of the image is cut off B. The brightness of the image is reduce C. The brightness of the image is increased D. Lower half of the image is cut off
10	Michelson,s interferometer can be used to measure	A. Wavelength of light B. Intensity of light C. Amplitude of wave D. None of these
11	In Newton's rings the point of contact of the lens and the glass plate, the air film is	A. Minimum B. Maximum C. Zero D. None of these
12	Who gave the corpuscular nature of light	A. Einstein B. Newton C. Maxwell D. Thomas young
13	In Huygen's wave theory the locus of all points in the same state of vibration is called	A. A half-period zone B. Vibrator C. Wave front D. A ray
14	Magnification of a convex lens is	A. M = p/d B. M = p/q C. M = q/p D. None of these

15	Light waves are:	A. Transverse waves B. Longitudinal waves C. Compressional waves D. None of them
16	An object is placed at a distance of 200 cm from a convex lens of focal length 10 cm the linear magnification is	A. 1/3 B. 2/3 C. 3/4 D. None
17	A tourmaline crystal is being used as an analyzer In one complete rotation of the crystal the number of excitation will be	A. 0 B. 1 C. 2 D. 4
18	Most widely used optical fibres are those which propagate light by	A. total interval reflection B. continuous refraction C. both of them D. none of them
19	In Michelson interferometer if the moveable mirror is moved through a distance of 8λ then the number of fringes shifted are	A. 4 B. 8 C. 16 D. 32
20	The speed of light in vacuum or in air is	A. 3 x 10¹⁰ m ! s B. 3 x 10⁹ m ! s C. 3 x 10⁸ m ! s D. 3 x 10⁷ m ! s