

MDCAT Physics Chapter 7 Light Online Test

Sr	Questions	Answers Choice
1	In a never system, the repeaters are placed at about	A. 50 km B. 75 km C. 100 km D. 125 km
2	Repeaters are the devices which regenerate the signals and are placed at about	A. 20 km B. 30 km C. 40 km D. 50 km
3	The ultra-purity of optical fibre is	A. 90 % B. 99 % C. 99.9 % D. 99.99 %
4	The digital modulation is expressed in	A. Bytes B. Codes C. Bits D. None of these
5	The transmission of information by light waves may be	A. An audio signal B. A television signal C. A computer data signals D. All of them
6	Which one light source can travel faster through optical fibre is	A. Infra red B. Visible C. Ultra violet D. All of these
7	The typical wavelength of light source in transmitter is	A. 1.1 μm B. 1.2 μm C. 1.3 μm D. 1.4 μm
8	The light source in the transmitter can be either	A. Light emitting diode B. Semiconductor laser C. Light emitting in an invisible infra red D. All of these
9	The components of a fibre optic communication system is/are	A. At transmitter B. An optical fibre C. Receiver D. All of these
10	How many major components of fibre optic communication system are	A. 4 B. 5 C. 3 D. 2
11	When refractive index of core is 1.50 and of 1.48 of cadding then find the angle of entry for an optical fibre is	A. 11.2° B. 14.2° C. 15.4° D. 13.6°
12	Calculate the critical angle when core refractive index is 1.50 and cladding of refractive index 1.48	A. 70.3° B. 80.9° C. 80.6° D. 89.6°
13	In multimode graded index fibre core and cladding has boundary	A. Noticeable B. No noticeable C. No boundary D. None of these
14	The range of the diameter of core in multimode graded index fibre is	A. 50 to 100 μm B. 50 to 1000 μm C. 50 to 1000 μm D. None of these
15	The lower refractive index the fibre core has	A. 1.48 B. 1.40 C. 1.54 D. 1.42

