

1st Year Fsc Physics Online Test

Sr	Questions	Answers Choice
1	A constant temperature, if pressure of a given mass of gas is halved, then its volume becomes.	A. Halve B. Doubled C. Four time D. Constant
2	S.I Unit of pressure of gas is.	A. Nm B. N.m C. N2/m D. N3m
3	The SI unit of product of pressure and volume is.	A. Watt B. Joule C. Pascal D. Newton
4	The ideal gas law is.	A. $PV = NVk$ B. $P = NkT$ C. $PV = nRT$ D. $P = nRT$
5	Heat is form of.	A. Power B. Momentum C. Energy D. Torque
6	A device based upon the thermodynamics property of matter is called.	A. Calorimeter B. Heat engine C. thermometer D. Voltmeter
7	Average translational K.E. of molecules for an ideal gas is given as	A. $\frac{1}{2} KT$ B. KT C. $\frac{2}{3} KT$ D. $\frac{3}{2} KT$
8	For a gas obeying Boyle's Law, if the pressure is doubled, the volume becomes.	A. Double B. Three fold C. One half D. Remains the same
9	Using a graded Index fibre, the time difference is reduced to about.	A. 1 ns per km B. 33 ns per 100 km C. 33 ns per km D. 1 ns per 100 km
10	___ will travel faster than other through an optical fibre.	A. Ultraviolet light B. Visible light C. Infrared light D. White light
11	Repeaters are placed in new system at distance of.	A. 30 km B. 50 km C. 80 km D. 100 km
12	The light emitted from light emitting diode has wave length.	A. 1.1 micro meter B. 1.3 micro meter C. 1.5 micro meter D. 1.7 micro meter
13	The light signal in Optical fiber must be regenerated by device called.	A. Regenerator B. Generator C. Repeater D. Diode
14	Multimode graded index fibre has a core whose diameter range lie from.	A. 5 to 50 micro meter B. 50 to 100 micro meter C. 40 to 1000 micro meter D. 50 to 10,000 micrometer
15	Multimode step index fiber is useful for.	A. Long distance B. Short distance C. Very long distance D. Infinite distance

16	The optical fiber is covered for protection by a	A. Glass Jacket B. Plastic Jacket C. Copper Jacket D. Aluminum Jacket
17	Critical angle is that angle of incident ofr which angle of refraction is.	A. 90 ^o B. 45 ^o C. 42 ^o D. 24 ^o