1st Year Fsc Physics Online Test

Sr	Questions	Answers Choice
1	The error in speed of sound calculated by Newton at STP is about.	A. 0 % B. 14 % C. 15 % D. 16 %
2	Speed of sound in copper is	A. 38000 ms-1 B. 3600 ms-1 C. 3500 ms-1 D. 3400 ms-1
3	With increase of temperature, speed of sound.	A. Remains constant B. Becomes zero C. Decreases D. Increases
4	If the pressure of a gas is doubled, then speed of sound is.	A. Doubled B. Become half C. Not affected D. Increases by four times
5	Increase in speed of sound for 1 ^oC rise in temperature is.	A. 0.61 ms-1 B. 0.61 cms-1 C. 61 ms-1 D. 6.1 ms-1
6	The speed of sound in air would become double than ots speed at 10 ^oC at a temperature of.	A. 313 ^oC B. 586 ^oC C. 859 ^oC D. 899 ^oC
7	Sound travel faster in	A. CO_2 B. H_2 C. O_2 D. He
8	The speed of sound in air does not depend upon	A. Temperature B. Pressure C. Density D. Medium
9	Increase in the velocity of sound in air for 1 ^oC rise in temperature is.	A. 61 ms-1 B. 0.61 ms-1 C. 161 ms-1 D. 261 ms-1
10	The speed of sound is greater in solids due to their high.	A. Density B. Pressure C. Temperature D. Elasticity
11	The speed \velocity of sound is greatest in.	A. Air B. Steel C. Ammonia D. Water
12	the velocity of sound at 0 ^oC is 332 ms-1, the velocity of sound at 10 ^oC will be	A. 337.1 ms-1 B. 338.1 ,ms-1 C. 342.1 ms-1 D. 328.1 ms-1
13	Speed of sound in vacuum is	A. 280 ms-1 B. 332 ms-1 C. 333 ms-1 D. Zero ms-1
14	According to Newton's formula, the speed of sound in air at STP is	A. 332 ,ms-1 B. 340 ms-1 C. 350 ms-1 D. 280 ms-1
15	According to Newton, sound travels in air under conditions of.	A. Adiabatic B. Isothermal C. Isobaric D. Isochoric

16	If 30 waves per second pass through a medium at a speed 30 ms-1, then the wavelength is.	A. 30 m B. 15 m C. 1 m D. 28 m
17	If the wave motion is 0.01 sec and wave speed is 100 ms-1 then frequency of wave is.	A. 0.5 Hz B. 1 Hz C. 10 Hz D. 100 Hz