Sound

Sr	Questions	Answers Choice
1	Astronauts is space need to communicate with each other by radio links because:	A. Sound waves travel very slowly in space. B. Sound waves travel very fast in speace C. Sound waves cannot travel in space D. Sound waves have low frequency in space
2	The speed of sound in air at 0 ^{O}C is:	A. 331 ms⁻¹ B. 332 ms⁻¹ C. 333 ms⁻¹ D. 336 ms⁻¹
3	When a body moves to and fro about a point, its motion is called:	A. Random motion<o:p></o:p> B. Vibratory motion<o:p></o:p> C. Linear motion<o:p></o:p> D. Rotatory motion<o:p></o:p>
4	The force applied on the mass attached with a spring is represented by:	A. f_a<o:p></o:p> B. f_c<o:p></o:p> C. f_{ext<o:p></o:p>} D. f_s<o:p></o:p>
5	To hear echoes, the minimum distance of the obstacle from source of sound should be:	A. 10 m B. 15 m C. 17 m D. 20 m
6	Pitch of sound depends upon:	A. Frequency B. Amplitude C. Intensity D. Time period
7	Which is an example of a longitudinal wave?	A. Sound wave B. Light wave C. Radio wave D. Water wave
8	The disturbance travelling in a medium is called:	A. Wave motion<o:p></o:p> B. Simple harmonic motion<o:p></o:p> C. Motion D. both a and b
9	The sound level of rustling of leave is:	A. 1 dB B. 20 dB C. 30 dB D. 10 dB
10	The water waves obey the laws of:	A. Reflection<o:p></o:p> B. Refraction<o:p></o:p> C. Diffraction<o:p></o:p> D. All of these<o:p></o:p>
		A. Hook's

11	The displacement produced in the spring is directly proportional to force is called:	law<o:p></o:p> B. Boyle's law<o:p></o:p> C. Newton's law<o:p></o:p> D. Joule's law<o:p></o:p>
12	Coaxial cable are used to transmit signals:	A. Magnet<o:p></o:p> B. Electric<o:p></o:p> C. Mechanical<o:p></o:p> D. Both mechanical and magnet<o:p></o:p>
13	the number of waves passing through a point in one second is called:	A. time period<o:p></o:p> B. cycle<o:p></o:p> C. frequency<o:p></o:p> D. amplitude<o:p></o:p>
14	The energy is transferred from one place of another:	A. through matter<o:p></o:p> B. through waves<o:p></o:p> C. both a and b<o:p></o:p> D. through vacuum<o:p></o:p>
15	The product of frequency and wavelength is equal to:	A. Time period<o:p></o:p> B. Amplitude<o:p></o:p> C. Wave speed<o:p></o:p> D. Wave energy<o:p></o:p>
16	For normal person audible frequency range for sound wave lies between.	A. 10 Hz and 10KHz B. 20 Hz and 20KHz C. 25 Hz and 25KHz D. 30 Hz and 30KHz
17	the water waves after striking the hurdle will:	A. reflect<o:p></o:p> B. refract<o:p></o:p> C. diffract<o:p></o:p> D. all a b and c<o:p></o:p>
18	The product of frequency and time period is equal to:	A. v B. 0 C. 1 D. L
19	The speed of sound was accurately measured in:	A. 1736 B. 1737 C. 1738 D. 1739
20	The speed of sound in the air at one atmospheric pressure at room temperature is:	A. 343 ms-1 B. 346 ms-1 C. 349 ms-1 D. 339 ms-1