Sound

Sr	Questions	Answers Choice
1	When frequency of sound wave is increased, which of the following decreases? i) Wavelength ii) Period iii) Amplitude	A. i only B. (iii) only C. i and ii only D. i and iii only
2	The speed of sound in iron at 25 ^{o}C is ms^{-1}	A. 5950 B. 5900 C. 6950 D. 6940
3	1 KB = :	A. 1024 bytes<o:p></o:p> B. 1024 KB<o:p></o:p> C. 1024MB<o:p></o:p> D. None of these<o:p></o:p>
4	Bets can hear sound of frequency up to:	A. 100,000 Hz B. 25000 Hz C. 120,000 Hz D. 1000 Hz
5	High pitch means:	A. High wavelength B. High frequency C. High time period D. High energy
6	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
7	Old people can not hear sound above then _____ Hz	A. 1000 B. 15000 C. 20000 D. 10000
8	Micro waves are used in:	A. Radio<o:p></o:p> B. Television<o:p></o:p> C. Mobile phone<o:p></o:p> D. All of these<o:p></o:p>
9	The waves in which particles of the medium vibrate perpendicular to the direction of waves are:	A. Electromagnetic waves<o:p></o:p> B. Sound waves<o:p></o:p> C. Both a and b<o:p></o:p> D. Transverse waves<o:p></o:p>
10	The displacement produced in the spring is directly proportional to force is called:	A. Hook's 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>
11	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

		D. Both mechanical and magnet<o:p></o:p>
12	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>
13	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>
14	What is fitted in telephone receiver:	A. Electromagnet<o:p></o:p> B. Diaphragm<o:p></o:p> C. Both a and b<o:p></o:p> D. None<o:p></o:p>
15	The waves which travel in straight line through space and have strong signals are called:	A. Micro waves<o:p></o:p> B. Mechanical waves<o:p></o:p> C. Light waves<o:p></o:p> D. Magnet waves<o:p></o:p>
16	The speed of sound was accurately measured in:	A. 1736 B. 1737 C. 1738 D. 1739
17	The character by which lound and faint sound can be distinguished is called:	A. Pitch B. Quality C. Loudness D. Intensity
18	The unit of intensity of sound:	A. wm⁻¹ B. wm C. wm⁻² D. wm⁻³
19	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>
20	The value of acceleration is simple harmonic motion at mean position is:	A. Maximum<o:p></o:p> B. Zero<o:p></o:p> C. 10 N<o:p></o:p> D. Both a and b<o:p></o:p>