## Exercise MCQs

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Website: https://hira-science-academy.github.io

## Additional MCQs

Sr. No.	Questions	A	В	C	D
1	SI unit of intensity	Wm <sup>-1</sup>	√Wm <sup>-2</sup>	Wm	Wm <sup>2</sup>
2	Speed of sound at room temperature is	320 ms <sup>-1</sup>	330 ms <sup>-1</sup>	✓340 ms <sup>-1</sup>	350 ms <sup>-1</sup>
3	The sensation of sound persist in our mind is	0.01 s	✓0.1 s	0.02 s	0.2 s
4	One Bel is equal to	40 dB	20 dB	90 dB	√10 dB
5	The intensity level of rusting of leaves is	<b>√</b> 10 dB	20 dB	30 dB	O B
6	The sound level of whisper is	10 dB	✓30 dB	40 dB	<b>2</b> 90 dB
7	The intensity level of fast train siren	150 dB	✓130 dB	100 dB	120 dB
8	In general, the speed of sound is greater in	Gases	Liquids	√Solids	None of the
9	The consecutive waves compression and rarefactions is called	Frequency	Time period	Focal length	√Waveleng
10	If speed of sound wave is $340~\mathrm{ms^{-1}}$ and wavelength $0.5~\mathrm{m}$ , then calculate frequency	340 Hz	0.5 Hz	√680 Hz	170 Hz
11	Speed of sound in distilled water at 25°C is	7478 ms <sup>-1</sup>	7489 ms <sup>-1</sup>	✓1498 ms <sup>-1</sup>	1508 ms <sup>-1</sup>
13	The speed of sound in air at $25^{\circ}$ C	✓1246 kmh <sup>-1</sup> OR  346 ms <sup>-1</sup>	1264 kmh <sup>-1</sup>	1346 kmh <sup>-1</sup>	1364 kmh <sup>-</sup>
14	The speed of sound in air at 0°C	$317  \rm ms^{-1}$	386 ms <sup>-1</sup>	346 ms <sup>-1</sup>	✓331 ms <sup>-</sup>
15	The speed of sound in wood at 25°C	5950 ms <sup>-1</sup>	5960 ms <sup>-1</sup>	3980 ms <sup>-1</sup>	✓2000 ms
16	The speed of sound in liquid is than that of gas	3 times	4 times	√5 times	15 times
17	The speed of sound in solid is greater than that of gases	3 times	4 times	5 times	√15 times
18	The intensity level of siren is	150 dB	130 dB	100 dB	✓120 dB

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