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XI-Physics Chapter# 8 Page# 65

MULTIPLE CHOICE QUESTIONS (MCQs):

(1)	* Musical instrument * Musical note & wave length * Measure of intensity level			
(2)	Beat are the result of:	C	1	
		nstructive interference	•	
	Bootimonia	nstructive and destruction	n interterence both	
(3)	Speed of sound waves does not depend upo)n: * D	* Danaite	
<i>(</i> 1)	* Wind speed	* Pressure	* Density	
(4)	fork of unknown frequency:	s per second when so	unded with another tuning	
	* 63Hz * 256Hz	* 1008Hz	* 252Hz	
(5)	We recognize the voice of friend over the t			
(3)	* Quality * Intensity	* Loudness	* Pitch	
(6)(7)	When the temperature of air rises, the speed	l of sound wave increas	ses because:	
	* Only frequency increases	* Only wave length		
	* Both frequency and wave length increase	s * Only-wave length	decreases	
	The relative intensity I/I ₀ of the sound of a j		tensity level in dB will be:	
	* 30 * 130	* 1300	* 1.3	
(8)	Which of the following frequency of the so			
	* 5Hz * 5000Hz		* 50KHz	
(9)	As a source of sound moves away from a s	tationer listener, there	is an apparent frequency:	
(10)	* Decreases in wave length * Increase in p	itch * Decrease in pha	se * Decrease in pitch	
	• •		* Wove langth	
24.45	* Frequency * Intensity	* Quality	* Wave length	
(11)	When two vibrating bodies have slightly different frequency, they produce: * Echo * Beats * Resonance * Polarization			
(12)	Which one of the following properties of s			
	* Amplitude * Wave length	* Frequency	* Intensity	
(13)	The unit of intensity level of sound is: * Watt * Joule * Decibel * Diopter			
(14)	The intensity level of sound of intensity 10 ⁻¹² watt/m ² is a bell is:			
(1.)	* Zero * One	* Two	* Three	
(15)	The pitch of sound depends upon:	* #		
		* Frequency	* Amplitude	
(16)	Which of the following is compressional w			
	Which of the following is compressional w	aves:		
	* Light wave	* x - rays	* y – rays	
(17)			* y – rays	
	* Light wave Sone is the unit of: * Intensity level * Intensity of sound	* x - rays * Pitch of sound	* Loudness of sound	
	* Light wave Sone is the unit of: * Intensity level The maximum number of beats / second t	* x - rays * Pitch of sound hat a human can dect	* Loudness of sound is:	
(18)	* Light wave Sone is the unit of: * Intensity level The maximum number of beats / second t * 5 * 7	* x - rays * Pitch of sound hat a human can dect * 3	* Loudness of sound is: * 4	
(18) (19)	* Light wave Sone is the unit of: * Intensity level The maximum number of beats / second t * 7 One sone at 1000 Hz is equal to: * Sound wave * Intensity of sound * 7 One sone at 1000 Hz is equal to: * 600	* x - rays * Pitch of sound hat a human can dect * 3 B * 40d B * 30d B	* Loudness of sound is:	
(18) (19)	* Light wave Sone is the unit of: * Intensity level The maximum number of beats / second t * 7 One sone at 1000 Hz is equal to: * 600 The earthquake waves are the example of	* x - rays * Pitch of sound hat a human can dect * 3 B * 40d B * 30d B	* Loudness of sound is: * 4 * 100d B	
(18) (19) (20)	* Light wave Sone is the unit of: * Intensity level The maximum number of beats / second t * 7 One sone at 1000 Hz is equal to: * 600 The earthquake waves are the example of * Audible waves * Infrasonic waves	* x - rays * Pitch of sound hat a human can dect * 3 B * 40d B * 30d B : * Shock waves	* Loudness of sound is: * 4 * 100d B * Ultra sonic waves	
(18) (19) (20)	* Light wave Sone is the unit of: * Intensity level * Intensity of sound The maximum number of beats / second t * 7 One sone at 1000 Hz is equal to: * 600 The earthquake waves are the example of * Audible waves * Infrasonic waves When the temperature is increased by 100	* x - rays * Pitch of sound hat a human can dect * 3 B * 40d B * 30d B : * Shock waves C the speed of sound i	* Loudness of sound is: * 4 * 100d B * Ultra sonic waves s:	
(18) (19) (20)	* Light wave Sone is the unit of: * Intensity level * Intensity of sound The maximum number of beats / second t * 5 * 7 One sone at 1000 Hz is equal to: * 600 The earthquake waves are the example of * Audible waves * Infrasonic waves When the temperature is increased by 100 * Increased by 610 cm /s	* x - rays * Pitch of sound hat a human can dect * 3 B * 40d B * 30d B : * Shock waves C the speed of sound i * Decreased by 610 i	* Loudness of sound is: * 4 * 100d B * Ultra sonic waves s: m/s	
(18) (19) (20) (21)	* Light wave Sone is the unit of: * Intensity level The maximum number of beats / second t * 5 * 7 One sone at 1000 Hz is equal to: * 600 The earthquake waves are the example of * Audible waves When the temperature is increased by 1000 * Increased by 610 cm /s * Increased by 283 cm/s	* x - rays * Pitch of sound hat a human can dect * 3 B * 40d B * 30d B * Shock waves C the speed of sound i * Decreased by 610 i * Decreased by 283 of	* Loudness of sound is: * 4 * 100d B * Ultra sonic waves s: m/s	
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(18) (19) (20) (21) (22) (23) (24)	* Light wave Sone is the unit of: * Intensity level * Intensity of sound The maximum number of beats / second t * 5 * 7 One sone at 1000 Hz is equal to: * 600 The earthquake waves are the example of * Audible waves * Infrasonic waves When the temperature is increased by 10° * Increased by 610 cm /s * Increased by 283 cm/s The wave length of sound is increased whe * The source moves toward the listener * The source moves away from the listener * The source moves away from the listener * Coording to Weber Fechner law: * L. \propto Log L/Io * L \propto Log I In aerodynamics the mach number is equal to: * V Vs * $\frac{V}{V_s}$	* X - rays * Pitch of sound hat a human can dect * 3 B * 40d B * 30d B * Shock waves C the speed of sound i * Decreased by 610 i * Decreased by 283 den: * The listener moves * The listener moves * L \in I al to: * V ² / Vs * 330m/s	* Loudness of sound is: * 4 * 100d B * Ultra sonic waves s: m/s em/s toward the sources away from the source	

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ANSWER KEY

1. Measure of intensity level	2. Constructive and destructive interference both.
3. Wind speed	4. 256Hz
5. Quality	6. Only wave length increases
7. 30	8. 5000Hz
9. Decrease in pitch	10. Intensity
11. Beats	12. Wave length
13. Decibel	14. Zero
15. Frequency	16. Sound wave
17. Loudness of sound	18.7
19. 40 dB	20. Infrasonic waves
21. Increased by 610 cm/s	22. The source moves away from the listener
23. L ∝ Log I	$24. \frac{V}{V_S}$
25. 0	26. Loudness of sound