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Question 1:	When a wave travels through a medium 1. particles are transferred from one place to another 2. energy is transferred in a periodic manner 3. energy is transferred at a constant speed 4. none of the above statements is applicable		
		Answer:	3
Question 2:	The minimum distance between the source and the reflector, so that an heard is approximately equal to $1.\ 10\ m$ $2.\ 17\ m$ $3.\ 34\ m$ $4.\ 50\ m$		
		Answer:	2
Question 3:	Bats detect the obstacles in their path by receiving the reflected 1. infrasonic waves 2. radio waves 3. electro-magnetic waves 4. ultrasonic waves	Answer:	4
Question 4:	When sound travels through air, the air particles 1. vibrate along the direction of wave propagation 2. vibrate but not in any fixed direction 3. vibrate perpendicular to the direction of wave propagation 4. do not vibrate	Answer:	1
Question 5:	The relation between wave velocity 'v', frequency 'f', and wavelength 'l' is $1. \ v = \frac{f}{\lambda}$ $2. \ v = f\lambda$ $3. \ v = \frac{\lambda}{f}$ $4. \ v = \frac{1}{f\lambda}$	S	
		Answer:	2
Question 6:	The frequency of a wave travelling at a speed of 500 ms ⁻¹ is 25 Hz. Its tir will be 1. 20 s 2. 0.05 s	ne period	

Answer: 4

3. 25 s 4. 0.04 s

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Question 14: Which of the following will in water?	remain unchang	ed when a sound wave trav	els in air or
	1. Amplitude		
	2. Wavelength		
	3. Frequency		
	4. Speed		
			Answer: 3
Question 15: A sound source sends wave velocity of sound waves is	es of 400 Hz. It p	produces waves of wavelengt	th 2.5 m. The
-	1. 100 m/s		
	2. 1000 m/s		
	3. 10000 m/s		
	4.3000 km/s		
			Answer: 2
Question 16: The time period of a vibrati	ing body is 0.05 s	s. The frequency of waves it	emits is
	2. 20 Hz		
	3. 200 Hz		
	4. 2 Hz		
	.,		Answer: 2
Question 17: A source of frequency of 50 the waves take to travel 60		s of wavelength 0.4 m, how	long does
	1. 3 s		
	2.6 s		
	3.9 s		
	4. 12 s		
			Answer: 1
Question 18: Sound and light waves bot	h		
1. have	e similar wavelen	gth	
2. obey	the laws of refle	ection	
3. trav	el as longitudina	l waves	
4. trav	el through vacuu	ım	
			Answer: 2
Question 19: The method of detecting the objects by reflecting a bear.			of distant
objects by reflecting a bear	1. RADAR	s is known as	
	2. SONAR		
	3. MIR		
	4. CRO		
			Answer: 2
			illowel. Z

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Question 20: The technique used by ba	ts to find their w	vay or to locate food is	_·	
	2. RADAR			
	3. Echolocation	n		
	4. Flapping			
			Answer:	3
	veen the sending	vards the bottom of the sea. It and receiving of the wave is und in the seawater is 1400	1.6 s. Wha	at
	2. 560 m			
	3. 1400 m			
	4. 112 m			
			Answer:	1
Question 22: An example for mechanica	al wave.			
-	1. Radio wave			
	2. Light wave			
	Infrared radiat	tion		
4	4. Sound wave		_	4
			Answer:	4
Question 23: Which of the following qua	antities is transf	erred during wave propagatio	n?	
	1. Speed			
	2. Mass			
	3. Matter			
	4. Energy			
			Answer:	4
Question 24: If a vibrator strikes the wa	ater 10 times in o	one second, then the frequen	cy of wave	is
	1. 10 Hz			
	2. 0.5 Hz			
	3. 5 Hz			
	4. 0.1 Hz			
			Answer:	1
Question 25: Unit of wavelength is	.			
_	1. newton			
	2. erg			
	3. dyne			
	4. angstrom			
			Answer:	4

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SOUND	.00	
Question 26: The distance between a compression and the next rarefaction of a longitud wave is	linal	
$\frac{\lambda}{4}$		
20°W		
2. 21		
3. $\frac{\lambda}{=}$		
2		
3. $\frac{\lambda}{2}$ 4. $\frac{\lambda}{8}$		
O CONTRACTOR OF THE CONTRACTOR		
Aı	nswer:	3
Question 27: SI Unit of time period is		
1. second		
2. hour		
3. minute		
4. nanosecond		
Aı	nswer:	1
Question 28: The vibrations or the pressure variations inside the inner ear are converted electrical signals by the	d into	
1. cochlea		
2. tympanic membrane		
3. pinna		
4. anvil		
Aı	nswer:	1
Question 29: Vibrations inside the ear are amplified by the three bones namely the the middle ear.	in	
1. hammer, anvil and stirrup		
2. hammer, anvil and pinna		
3. hammer, cochlea and stirrup		
4. auditory bone, anvil and stirrup		
Aı	nswer:	1
Question 30: The persistence of audible sound due to the successive reflections from the surrounding objects even after the source has stopped to produce that sou called		
1. reflection		
2. echo		
3. reverberation		
4. rarefaction		
Aı	nswer:	3

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