23		A transverse progressive wave on a string has a wavelength of 12 cm and an amplitude of 1.5 cm. The speed of the wave on the string is $48\mathrm{cms^{-1}}$.														
	Wh	What is the distance travelled by a point on the string in a time of 2.0 s?														
	A	12 cm	В	24 cm	(С	48 cm		D	96 c	m					
0.4				*1	1 20				,							
24	An	ambulance sire	n em	nts a soun	d with a	SII	ngle frequ	iency	Ť.							
		he ambulance travels towards, passes close to, and then travels away from a stationary bserver.														
		Which statement describes the frequency of the sound detected by the observer as the ambulance passes the observer?														
	Α	equal to <i>f</i> and decreasing														
	В	equal to f and increasing														
	С	greater than f and constant														
	D	less than f and	con	stant												
25	Λn	electromagnetic	· wa	ve has a w	avelenc	nth	of 138 nn	n in a v	Vacu	um						
23		n electromagnetic wave has a wavelength of 138 pm in a vacuum.														
	То	o which region of the electromagnetic spectrum does this wave belong?														
	Α	radio wave														
	В	microwave														
	С	visible light														
	D	X-ray														