Practice Question Set For GCSE

Subject: Physics

Name of the Student:_ Max. Marks : 24 Marks

Paper-2 Topic: GCSE Triple Science_Waves (LDQ)



Time: 24 Minutes

1

1

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Mark Schemes Q1. (a) wavelength 1 frequency 1 this order only (b) parallel 1 8000 Hz (c) 1 (d) period = 8000allow ecf from part (c) 1 0.000125 (s) 1

(e) $\lambda = \frac{1}{6600}$

allow 0.05

 ${\sf m}$

(e) distance travelled = speed \times time

or

s = vt

allow any correct rearrangement

(f) $13.2 = 330 \times t$

	$t = \frac{3600}{100}$	1	
	t = 0.040 (s) allow 0.040 (s)	1	
(g)	loudspeaker B is closer to the technician (than speaker A) 'it' means speaker B	1	
	so the sound would take more time to travel (to the technician)	1	
	so the sound from each speaker arrives at the technician at the same time		
		1	[16]
Q2.			
(a)	transverse	1	
(b)	the water at point X moves up and down	1	
(c)	$v = 2.0 \times 0.032$	1	
	v = 0.064 (m/s)	1	
	m/s	1	
(d)	energy	1	
(e)	D	1	
(f)	В	1	[8]