Practice Question Set For GCSE
Subject : Physics
Paper-2 Topic: GCSE Triple Science_Waves (LDQ)

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Name of the Student:_____
Max. Marks : 24 Marks **Time : 24 Minutes**

Mark Schemes

Q1.

(a) **A**

1

(b) 2 (%)

1

(c) black

correct order only

1

reflects

1

transmits

1

(d) green

1

(e) without a darkened laboratory would not be able to see reflected light

allow would see all squares all of the time

1

(f) so same 'amount' of light is incident on each square

a fair test is insufficient
control variable is insufficient

1

(g) two bars drawn at the correct height

*allow **1** mark for 1 correct bar*

2

both bars correctly labelled

1

(h) orange

reason only scores if orange chosen

1

can be seen from the furthest away

allow it reflects the most light

1

(i) repeatable

1

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Q2.

(a) **K**

1

(b) **L** and **M**

1

(c) the oscillation should be perpendicular to the direction of the stretched spring

allow up and down

1

(d) timing less than five echoes

1

(e) 3 (.0)

1

(f) 750 (m)

1

(g) speed = $\frac{750}{3}$

*an answer of 250 (m/s) scores **2** marks*

2

speed = 250 (m/s)

allow ecf from parts (e) and (f)

1

(h) any **two** from:

- time more than 5 echoes
- students stand further from the building
- have 2 or more students (independently) measuring the time taken

use a stopwatch with a higher resolution is insufficient

2

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