Practice Question Set For GCSE
Subject : Physics
Paper-2 Topic: Waves (Low Demand Questions)

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Name of the Student:_____
Max. Marks : 17 Marks **Time : 17 Minutes**

Mark Schemes

Q1.

(a) 2.5(cm)

*10 / 4 for **1** mark*

2

(b) (i) 3 (m/s)

*allow 0.5 × 6 for **1** mark*

2

(ii) any **one** from:

- cheaper
- (easier) to make adjustments
- easier to handle
- external conditions can be controlled
- for safety
- fit for purpose

allow to see if it works / floats / has faults

1

[5]

Q2.

(a) 1st box ticked

1

(b) (i) continuous reflected ray parallel to incident ray (by eye)

1

an arrow shown correctly

arrow must be drawn on a continuous ray reflected by top mirror

1

(ii) normal

1

[4]

Q3.

(a) (i) absorb

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1

(ii) more

1

(b) (i) conduction

1

(ii) colour (of cube)

allow colour (of box)

1

(iii) Cube Y

*all three in correct order for **2** marks*

Cube X

Cube Z

*one or two correct for **1** mark*

allow grey for X

allow white for Y

allow black for Z

2

(iv) results can be compared

accept start temperature affects rate of energy transfer

or

start temperature affects how quickly the cube cools down

ignore fair test / reliability / accuracy / control variable / valid

1

(v) control (variable)

allow controls / controlled

1

[8]

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