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

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Name of the Student:_____
Max. Marks : 20 Marks **Time : 20 Minutes**

Mark Schemes

Q1.

(a) (i) bat(s)

1

(ii) elephant(s)

1

(iii) any example in the inclusive range 5 ↔ 29 Hz / hertz

appropriate number and unit both required

1

(b) (i) **B**

1

(ii) **F**

1

[5]

Q2.

(a) (i) infra red (rays)

accept IR

or

radio (waves)

*do **not** accept heat waves*

*do **not** accept TV waves*

1

(ii) radio (waves)

this answer only

1

(b) frequency

1

(c) (i) *answer should be in terms of establishing if harmful or not harmful ie trying to clear up any uncertainty*

*do **not** accept answers that assume it is harmful*
eg Wi-Fi systems will make you ill

need to know if it is harmful / makes you ill

accept idea that safety issue may worry people

accept idea that (more) research may reassure people

accept idea of finding out (the truth)

1

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(ii) an opinion

1

[5]

Q3.

(i) X-rays
infra red (rays)
radio (waves)

all three in correct order

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

2

(ii) to kill cancer cells

1

(iii) energy

1

[4]

Q4.

(a) C (only)

1

(b) A (only)

1

[2]

Q5.

(a) reflection at the mirror of ray from tip of real puppy's ear to real puppy's eye (1)

may be drawn freehand

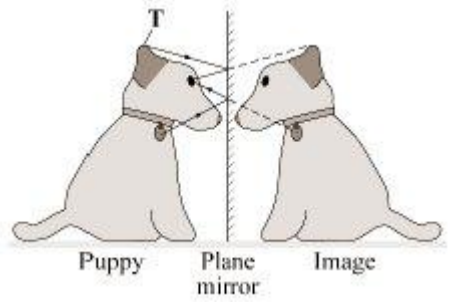
accurate (1)

ruler must have been used and the reflected ray is an extension of the straight line from point virtual ear however the virtual part of the line need not be shown

arrow to show correct direction (1)

only one arrow needs to be shown but there must be no contradiction

example of (3) mark response



3

(b) flat

accept 'it's not curved/bent'

accept 'it's straight'

1

[4]

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