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

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Name of the Student:_____
Max. Marks : 21 Marks **Time : 21 Minutes**

Mark Schemes

Q1.

(a) $k = 1/2mv^2$
$k = 1/2.1.2.109.202$
$k = 2.4.1011$
for one mark each

3

(b) (i) 0.6.109

(ii) mass halved
speed halved
(speed)2 quartered
ke and/or power cut to one eight
for 1 mark each

5

[8]

Q2.

(a) 20 m/s
gets 2 marks

Else working
gets 1 mark

2

(b) 10 m/s

1

(c) 20 m
gets 2 marks

Else working
gets 1 mark

2

(d) 12 000 N
gets 2 marks

Else working
gets 1 mark

2

(e) 2 400 000 J

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gets 2 marks

Else working

gets 1 mark

2

(f) (i) Ans to (e)

1

(ii) Ans to (e)/60
Else working

2

(iii) Ans to (ii)/5

1

[13]

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