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

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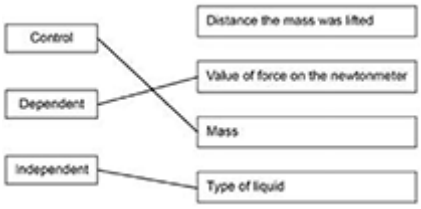
Name of the Student:_____
Max. Marks : 21 Marks **Time : 21 Minutes**

Mark Schemes

Q1.

(a) **Variable** **Description**



*allow **one** mark for each correct line*

if more than one line is drawn from any variable then all of those lines are wrong

1

(b) 0.1 N

*if more than **one** box ticked apply list principle*

1

(c) A bar chart

*if more than **one** box ticked apply list principle*

1

(d) some of the data is categoric

1

(e) 13.8 × 0.30

1

4.14

1

*allow 4.14 without working shown for **2** marks*

J

1

[9]

Q2.

(a)

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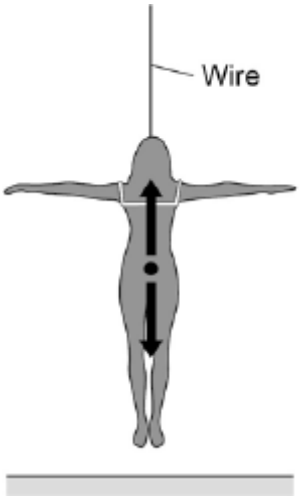

arrow pointing vertically upwards

1

arrow pointing vertically downwards

1

(b) Gravitational force

*if more than **two** boxes ticked apply list principle*

1

Tension force

1

(c) 0 (N)

1

(d) weight = 70 × 9.8 (= 686)

1

weight = 690 (N)

1

*allow 690 (N) with no working shown for **2** marks*
*allow 686 (N) with no working shown for **1** mark*

(e) 34 (N) / 30 (N)

allow ecf from 05.4 correctly calculated

1

(f) resultant force = mass × acceleration

accept F = ma

1

accept equation correctly rearranged for a

(g) 25 = 65 × a

1

a = 25 / 65

1

a = 0.38(4615…) (m / s^2)

1

*allow 0.38 (m / s^2) with no working for **3** marks*

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