Practice Question Set For GCSE

Subject: Physics

Name of the Student:_

Paper-2 Topic: GCSE Triple Science_Forces (Low Demand Questions)



Max. Marks: 21 Marks Time: 21 Minutes Mark Schemes Q1. (a) Milky Way 1 (b) $distance = 300\ 000 \times 500$ 1 $d = 150\ 000\ 000\ (km)$ 1 an answer of 150 000 000 scores 2 marks (c) 3 1 accept any number greater than 1.0 and less than 12.0 1 9 (e) 1 15 1 an answer of 15 scores 2 marks [7] **Q2**. (a) С 1 weight = 2.5×9.8 (b) 1 weight = 24.5 (N)an answer of 24.5 rounded to 25 scores 2 marks 1 an answer of 24.5 scores 2 marks the upthrust is the same as the weight 1 (d) (resultant) force = $mass \times acceleration$ allow F = m a 1

(e) $4.0 = 2.5 \times a$

 $a = \frac{4.0}{2.5}$

 $a = 1.6 \text{ (m/s}^2)$

1

1

1

an answer of 1.6 scores 3 marks

[8]

Q3.

(a) $p = \frac{27}{0.009}$

1

p = 3000

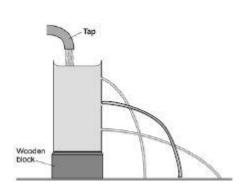
1

Pa

1

an answer of 3000 scores **2** marks

(b)



the water path hits the surface somewhere between the other two paths

1

(c) pressure increases with depth

allow when the pressure is higher, the water travels further

1

1

(d) pressure acts in all directions

OI

pressure causes a force on (all) the surfaces

ignore liquids cannot be compressed

[6]