**PHYSICS PP3 MARKING SCHEME**

(b)

(c) Area

(e)

(f)



|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Length, (m)** | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 |
| **Current, I (A)** | 0.50 | 0.42 | 0.34 | 0.29 | 0.26 | 0.22 |
|  | 2.000 | 2.381 | 2.9412 | 3.448 | 3.846 | 4.545 |

(h)



Length (m)

*A1 -award for correctly labelled axis and unit of the quantity given*

*S1- award if the scale is uniform, simple and accommodative*

*P2- Award 2 marks if all the points in the table are correctly plotted. Denie one mark for between 3 and 5 points plotted correctly. Otherwise give a give zero.*

*L1- Award one mark for line of best fit. (MUST pass through at least three points)*

(j

**(**k)



**QUESTION 2**

**PART A**

(a)

(d)

(e)

(g) 14.2cm

(h)(i)



 (ii)

 (iii) RD of L=

PART B

(h)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Angle of incidence | 30° | 50° | 70° |  |
| Angle of deviation | 45o | 40o | 46o | *, denie if no units.* |

 *Each value within the range a mark*

(g) (i) (1 mark)

 (1 mark)

 *marks students’ value*

 (ii)

 = (1 mark)

 =

 =

 = 1.509 (1 mark)

 *marks students’ value*