

Physics  
Advanced Subsidiary  
Paper 1: Core Physics 1

Tuesday 12 May 2020 – Morning

Diagram Booklet

In the boxes below, write your name, centre number and candidate number.

Surname					
Other names					
Centre Number					
Candidate Number					

**INSTRUCTIONS**

There may be spare copies of some diagrams in case you need them.

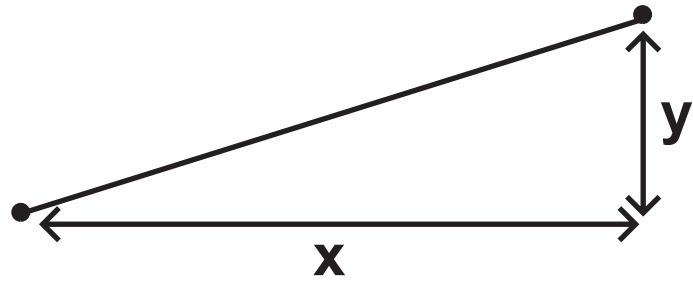
**THIS DIAGRAM BOOKLET *MUST* BE RETURNED WITH THE  
QUESTION PAPER AT THE END OF THE EXAMINATION.**

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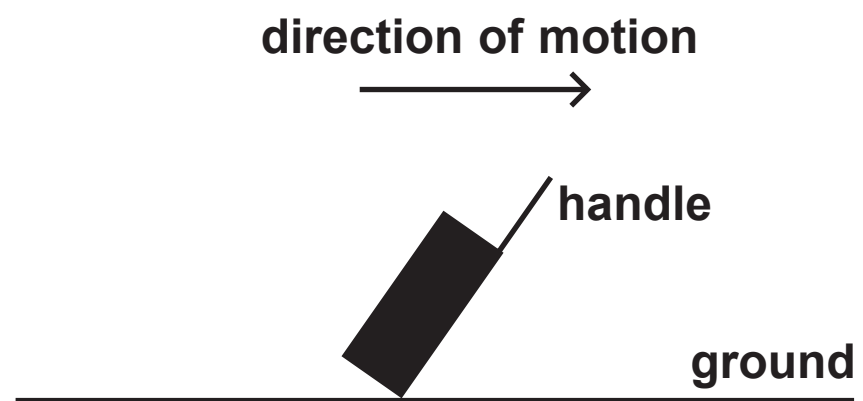
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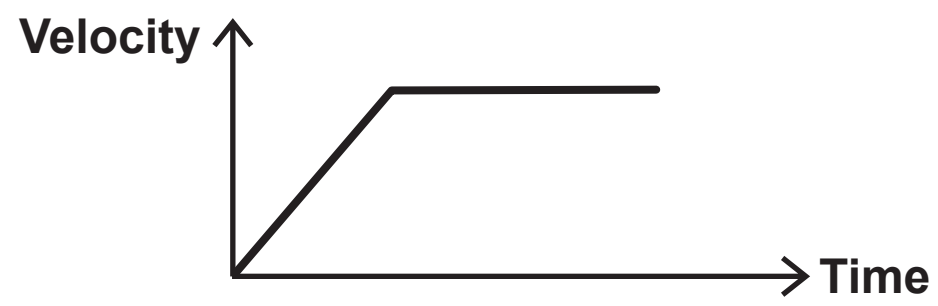
## Question 2



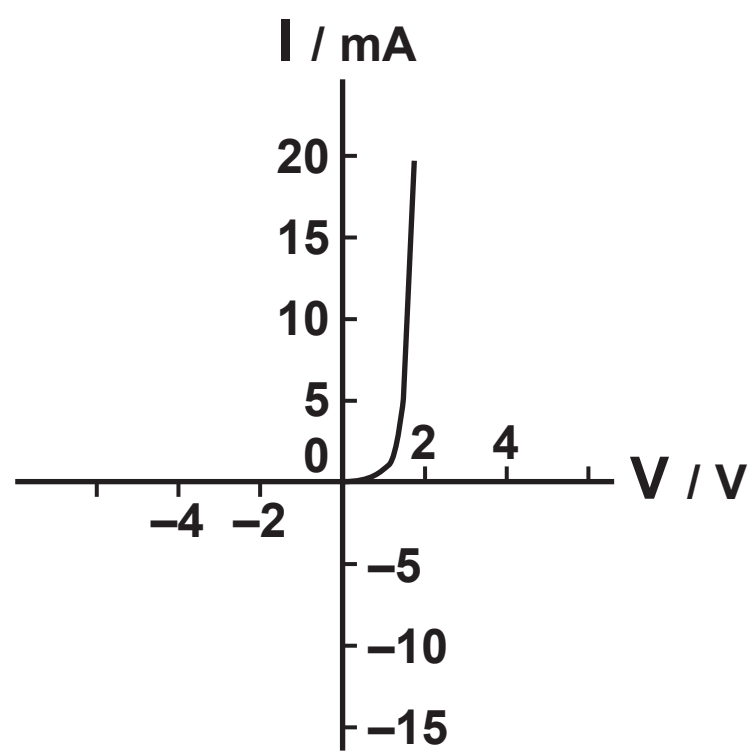
## Question 3



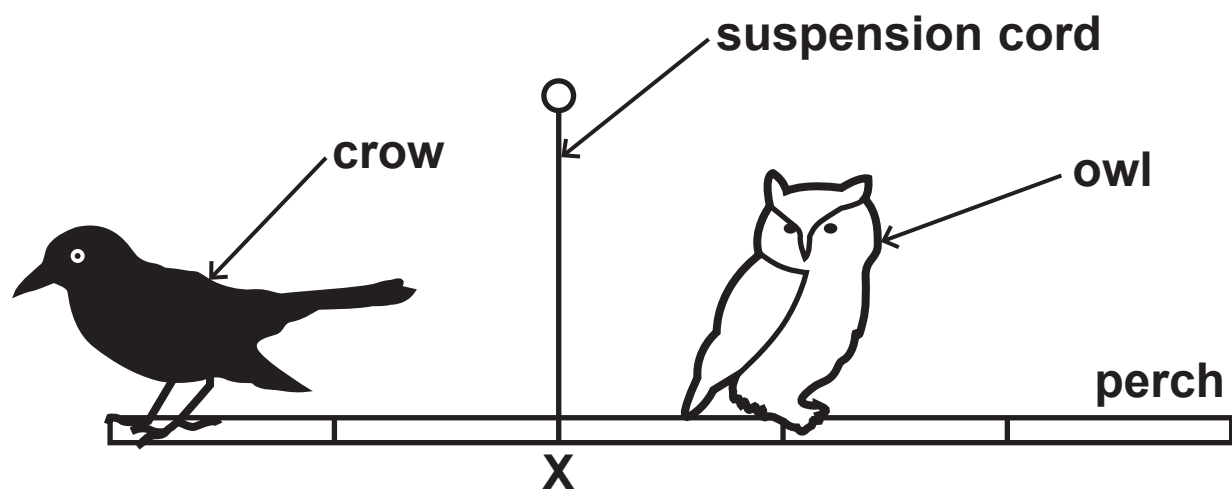
## Question 4



## Question 8

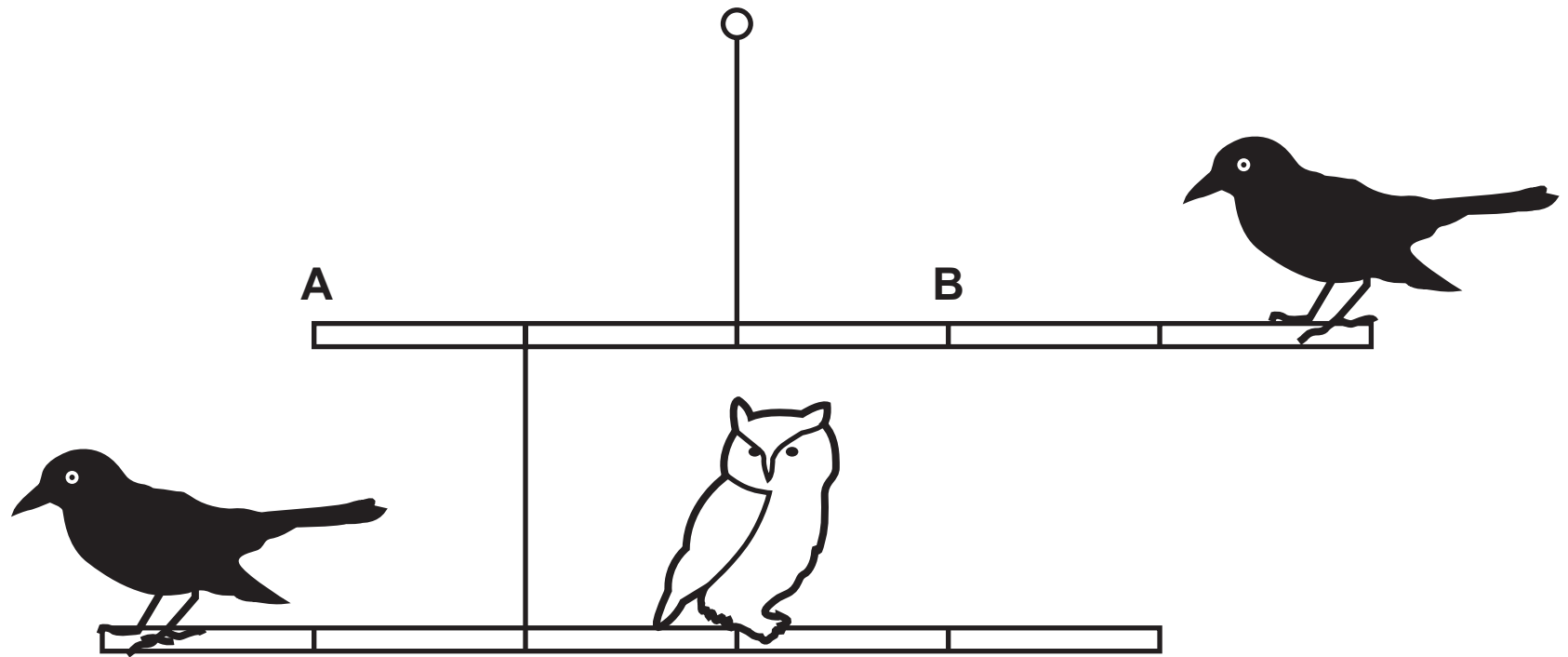


## Question 10





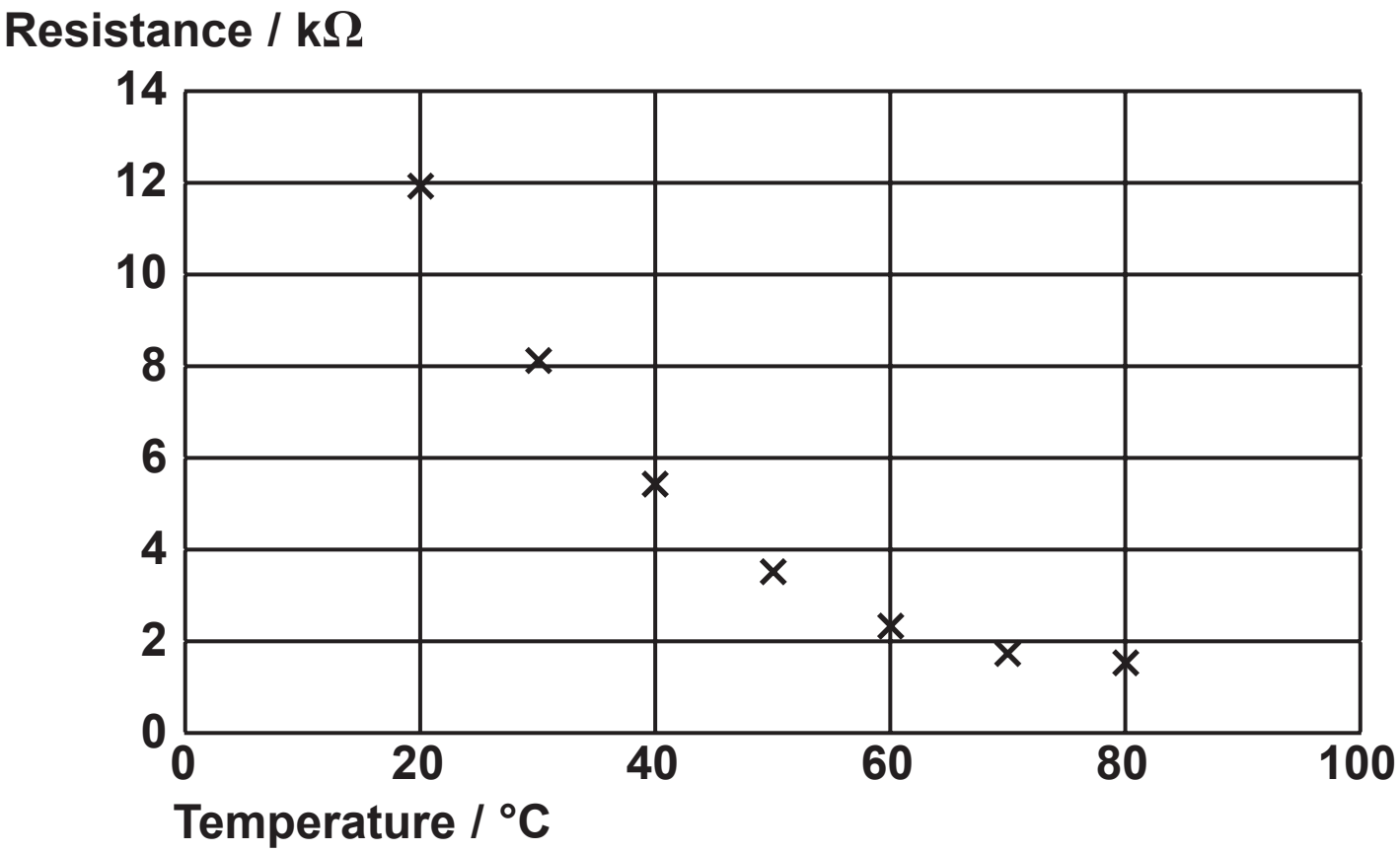
## Question 10(b)(ii)

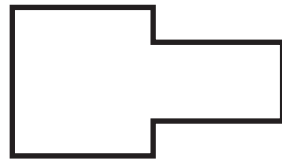


Question 11

▲	A	B	C
1	R / Ω	Current / A	P / W
2	0·5	0·43	0·09
3	1·0	0·38	0·14
4	1·5	0·33	0·17
5	2·0	0·30	0·18
6	2·5	0·27	0·19
7	3·0	0·25	0·19
8	3·5	0·23	0·19
9	4·0	0·21	0·18
10	4·5	0·20	0·18

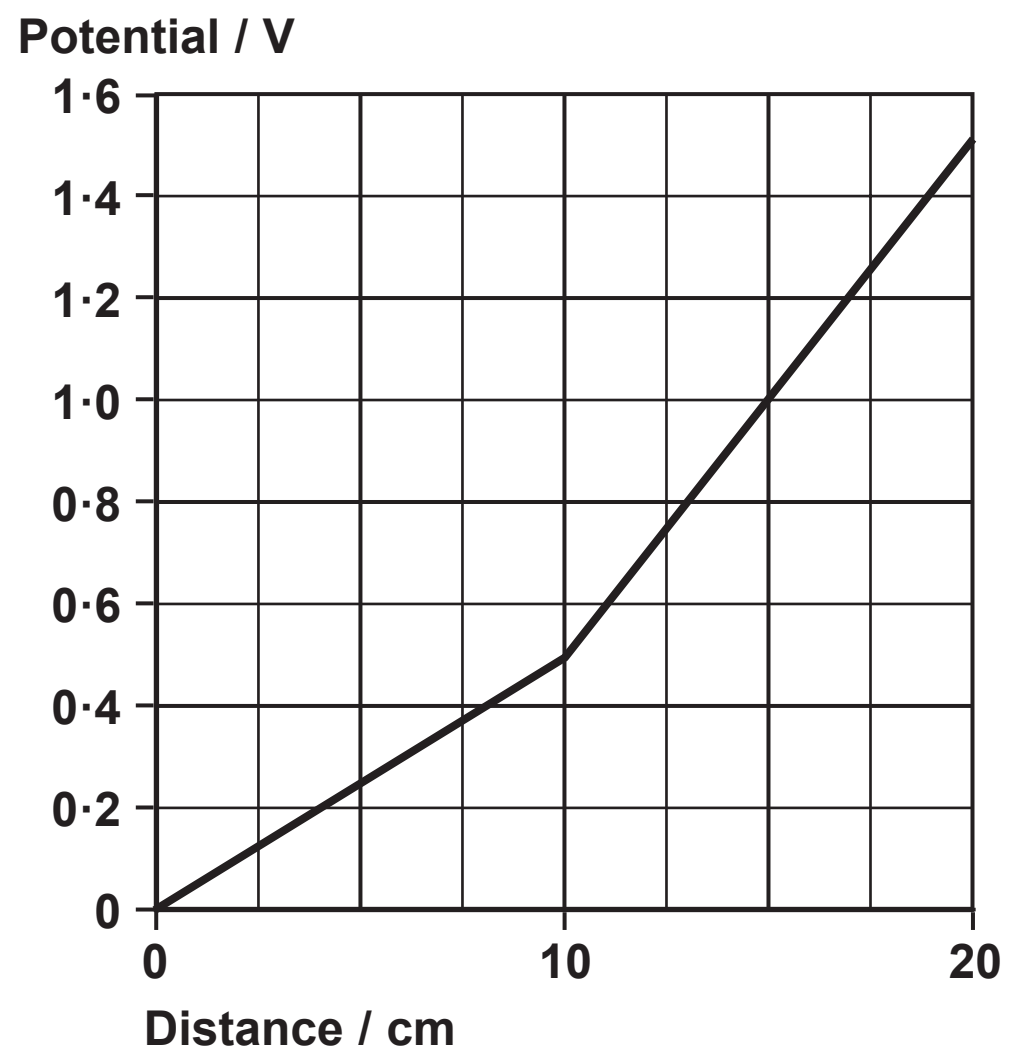
Question 12(b)



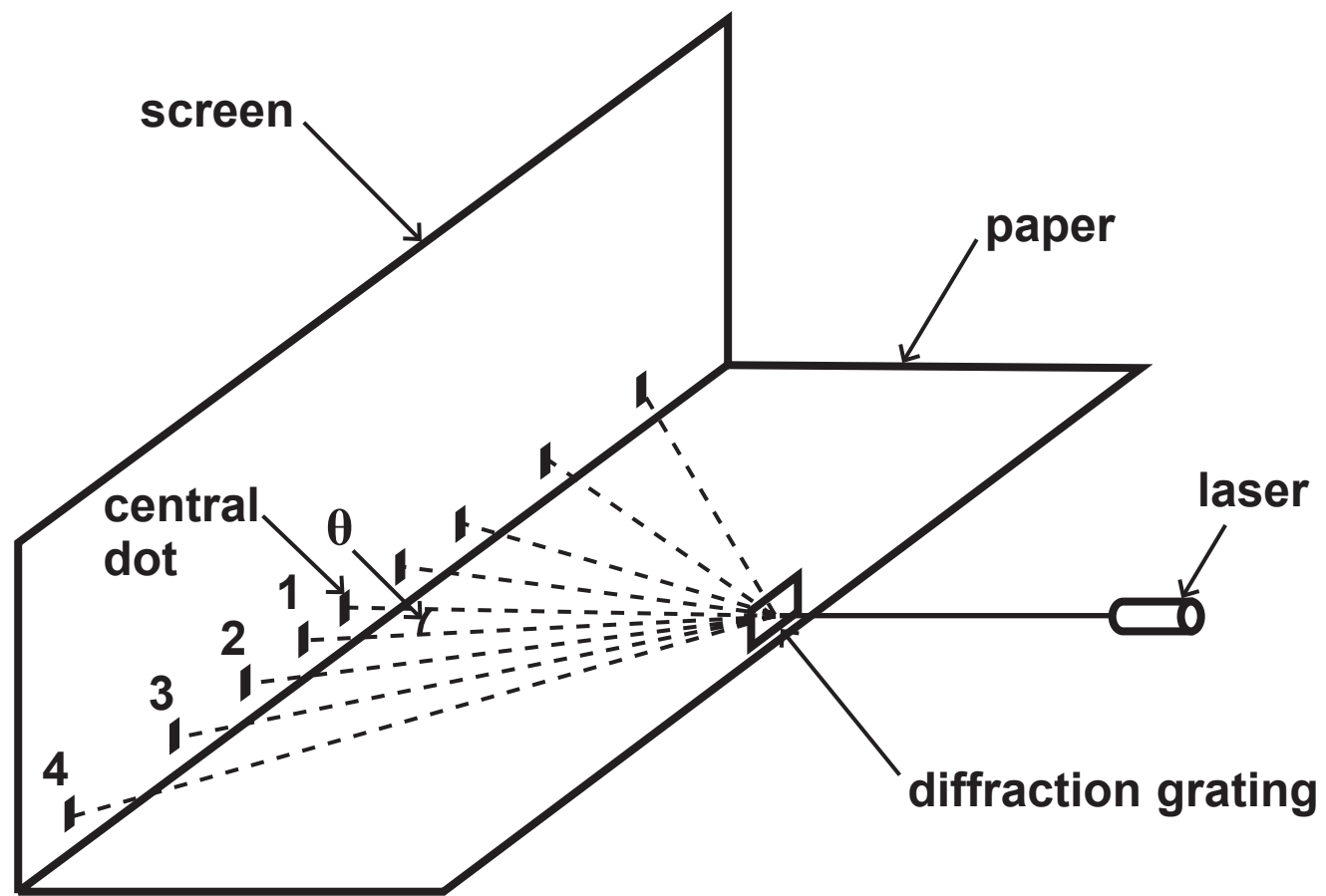
**Question 14(a)**

**Question 14(a) (Spare copy)**

## Question 14(b)



## Question 15









## Question 16

