

## 2022 ASOP ANSWER BOOKLET (online)

Name: \_\_\_\_\_ School: \_\_\_\_\_ Account Number: \_\_\_\_\_

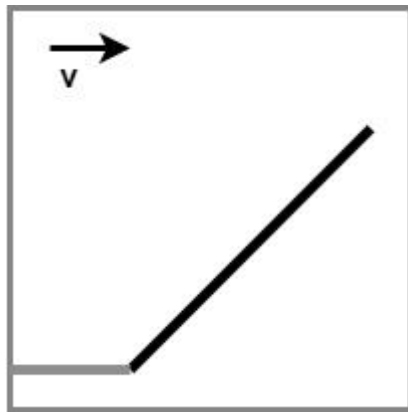
### Section A: Multiple choice questions. ( 10 marks )

Please record your answers from 1 to 10 in the **online platform**.

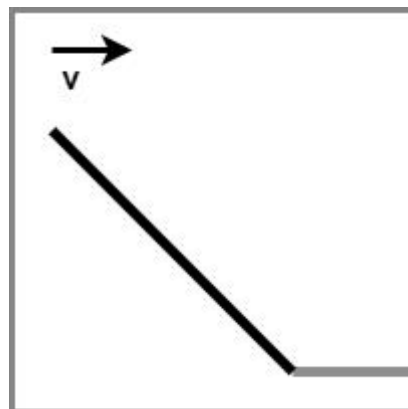
### Section B: Skateboarding ( 23 marks )

a.

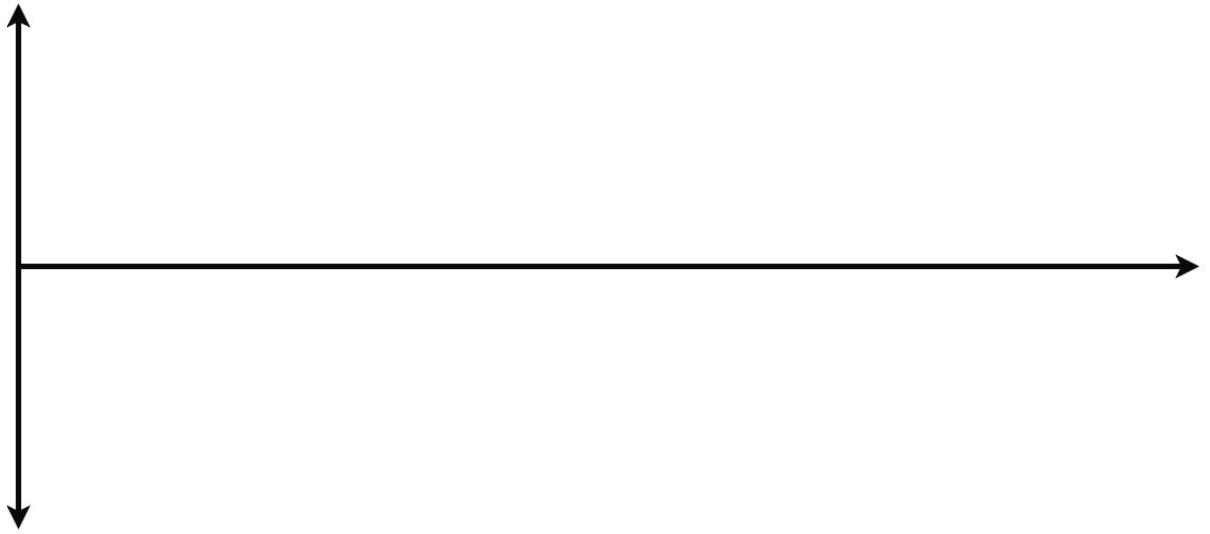
i)



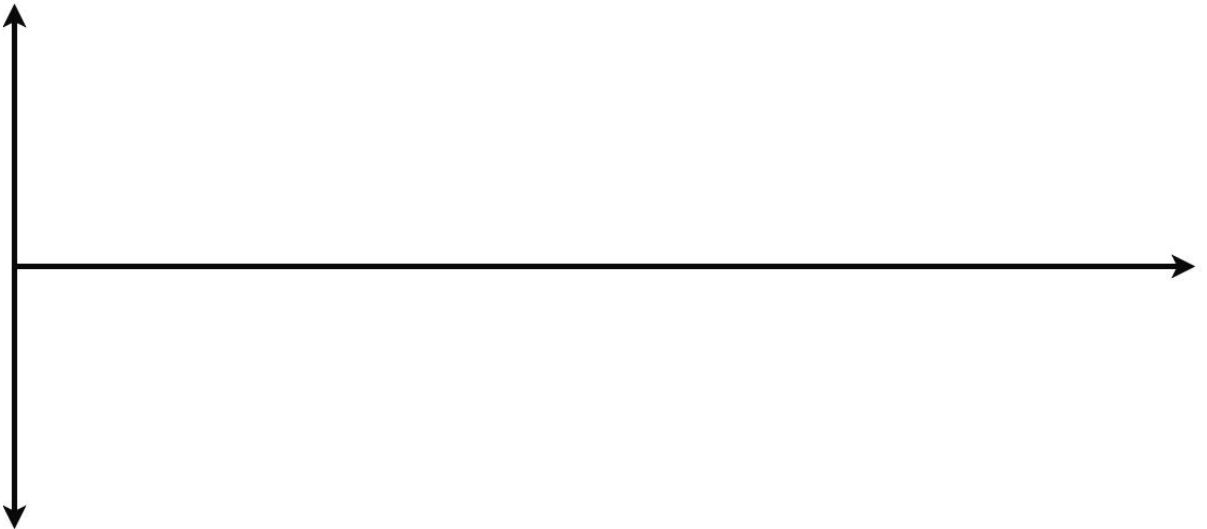
ii)



b.

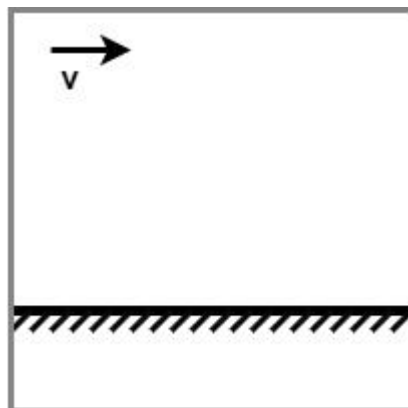


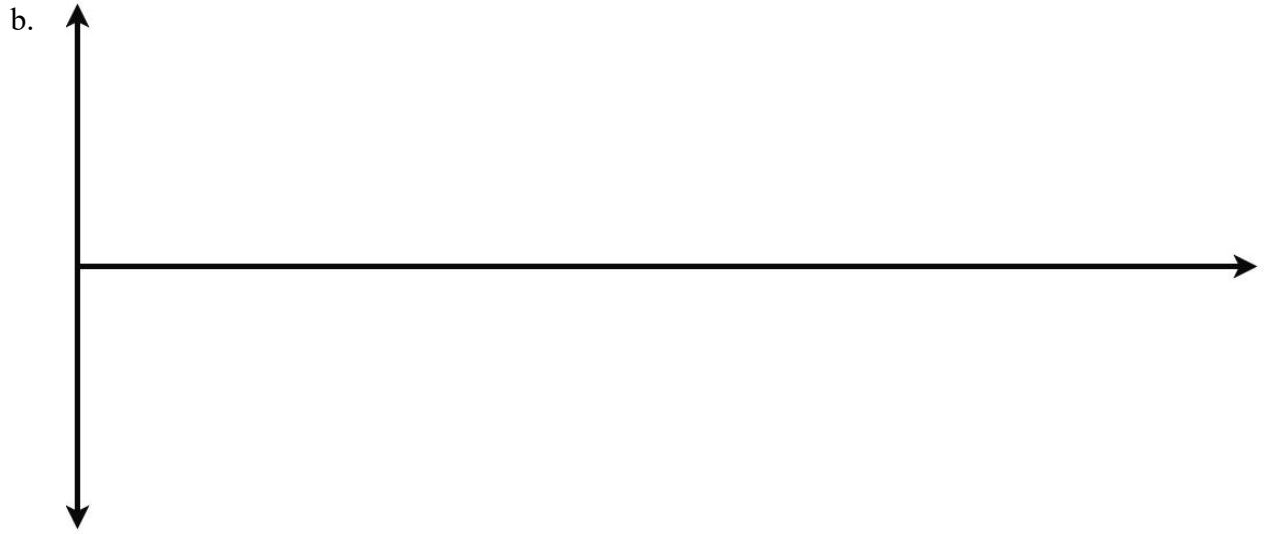
c.



Part 2

a.





d.

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e.

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Part 3

a.

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b.

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**Section C: Satellite ( 15 marks )**

1.

2.

3.

4.

5.

6.

7.

**Section D: Lasers and Atoms ( 13 marks )**

1. a)

i)

ii)

iii)

b)

2. a)

b)

**Section E: Unusual Physics ( 12 marks )**

**Questions 1**

**Questions 2**

a)

b)

c)

d)

**Questions 3**