

**Part A: Alignment of the setup [Total Point = 1.0]**

**A.1.**

**[0.6pt]**

**A.2.**

**[0.2pt]**

**A.3.**  
[0.2pt]

a	b	c	d	e	f	g
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

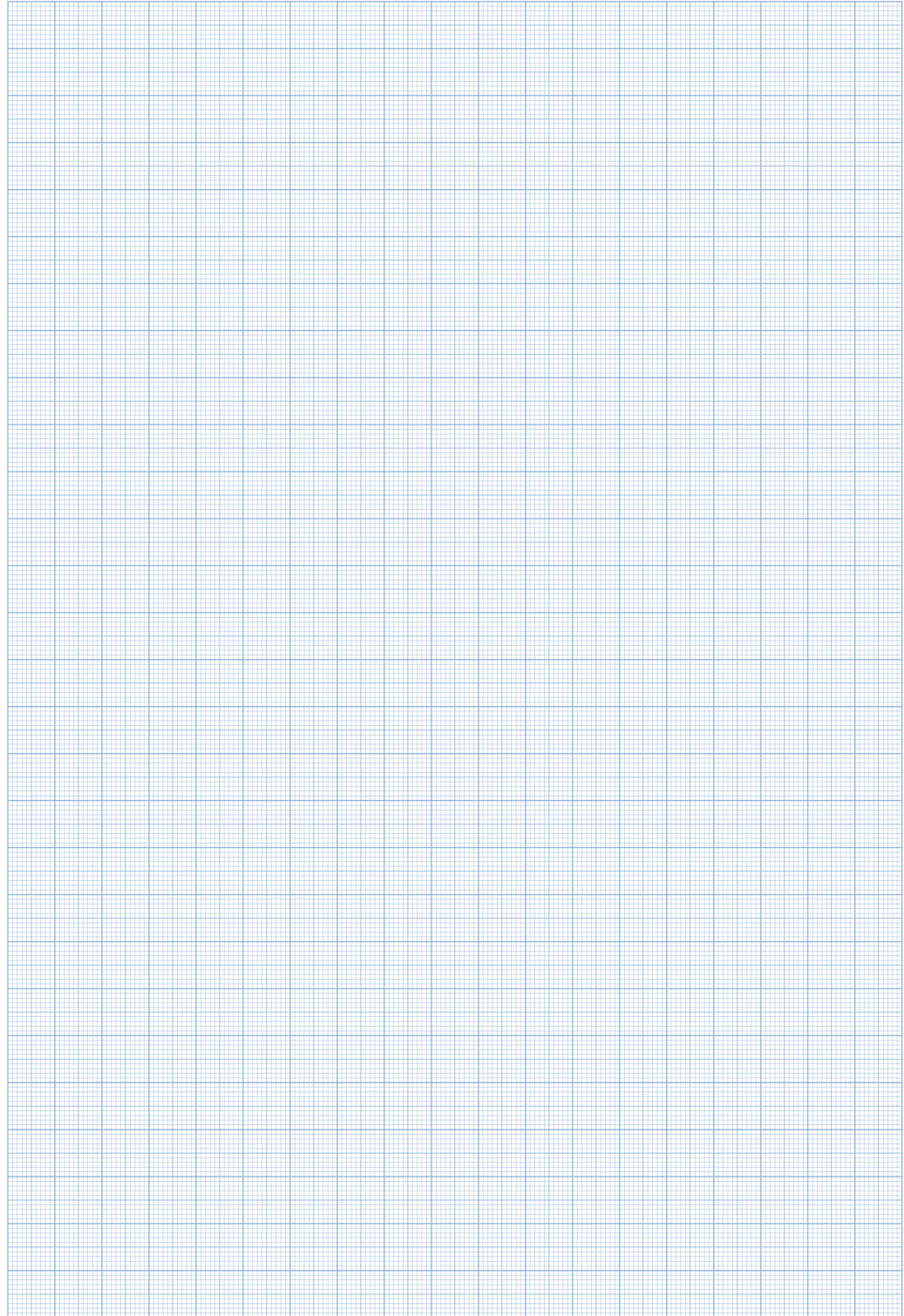
**Part B: Effect of Spinning Speed [Total point = 6.5]**

**B.1.**

**[1.5pt]**

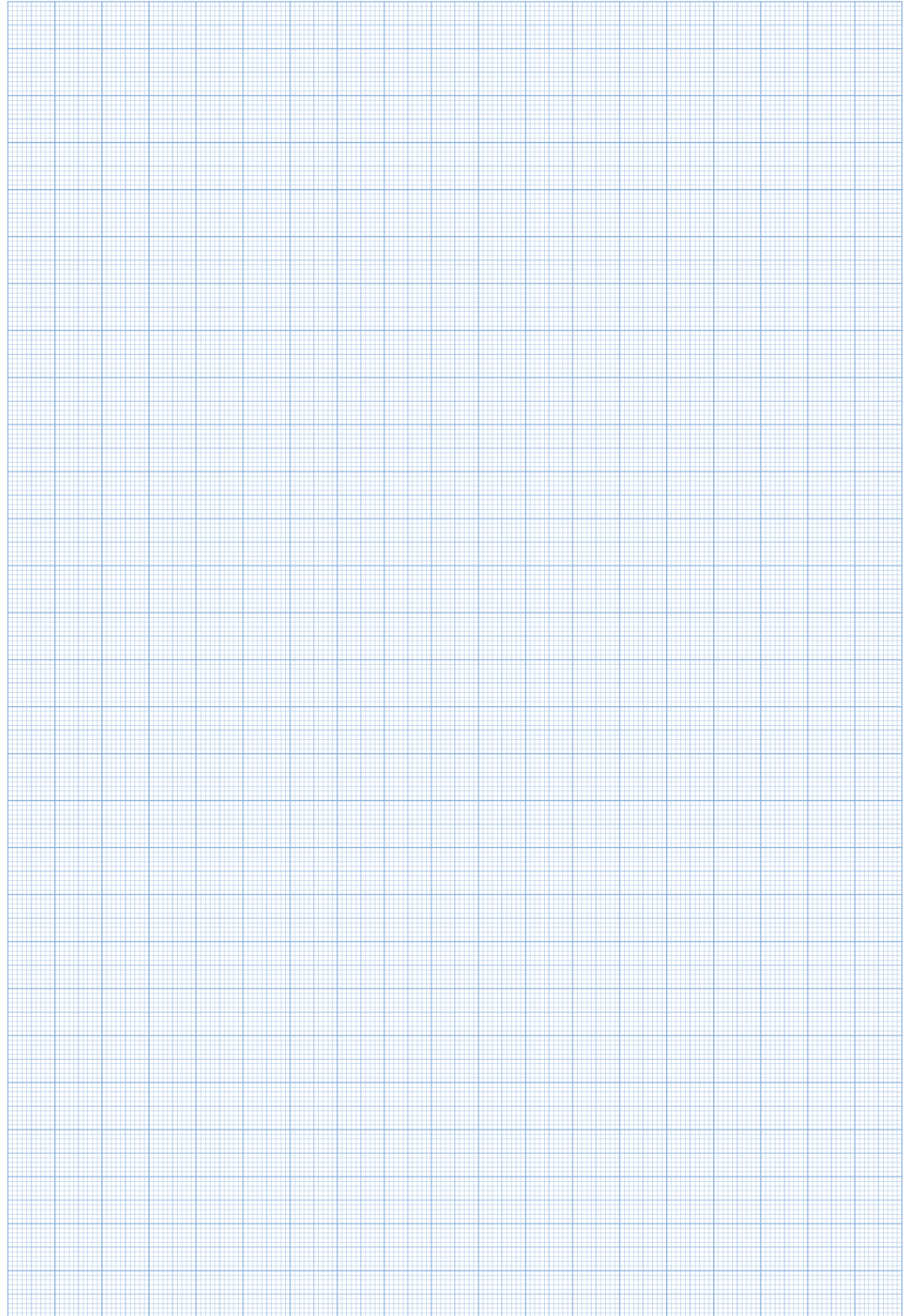
**B.2.**  
**[0.8pt]**

**B.3.**  
**[0.9pt]**



**B.4.**  
**[0.2pt]**

**B.5.**  
**[1.0pt]**





**B.6(i)**  
**[0.5pt]**

**B.6(ii)**  
**[0.2pt]**

**B.6(iii)**

**[1.0pt]**

**B.6(iv)**

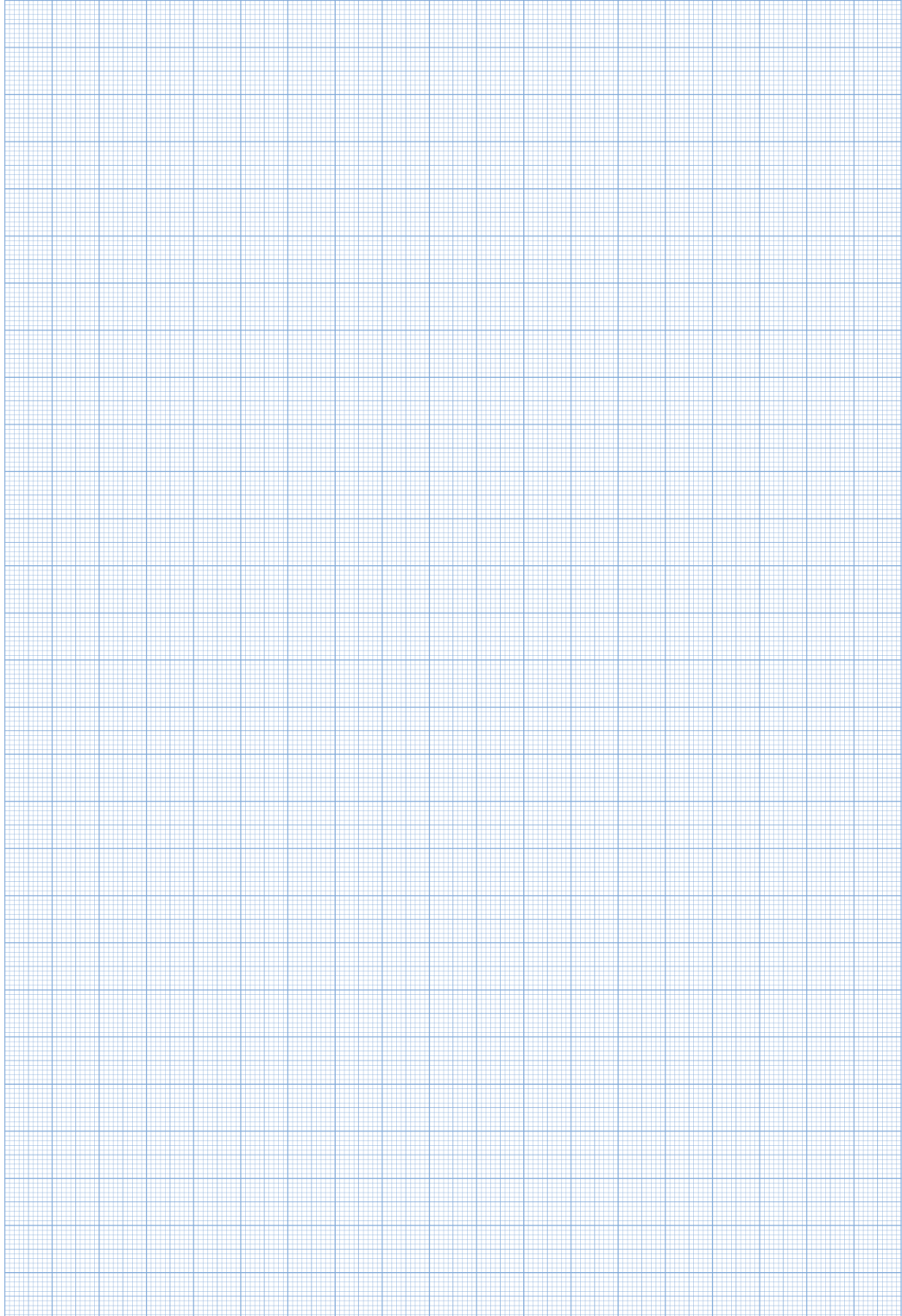
**[0.4pt]**

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**Part C: Influence of Gyroscope Arm Length [Total Point = 2.1]**

**C.1.**  
**[1.2pt]**

**C.2.**  
**[0.8pt]**



**C.3.**  
**[0.1pt]**

a	b	c
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

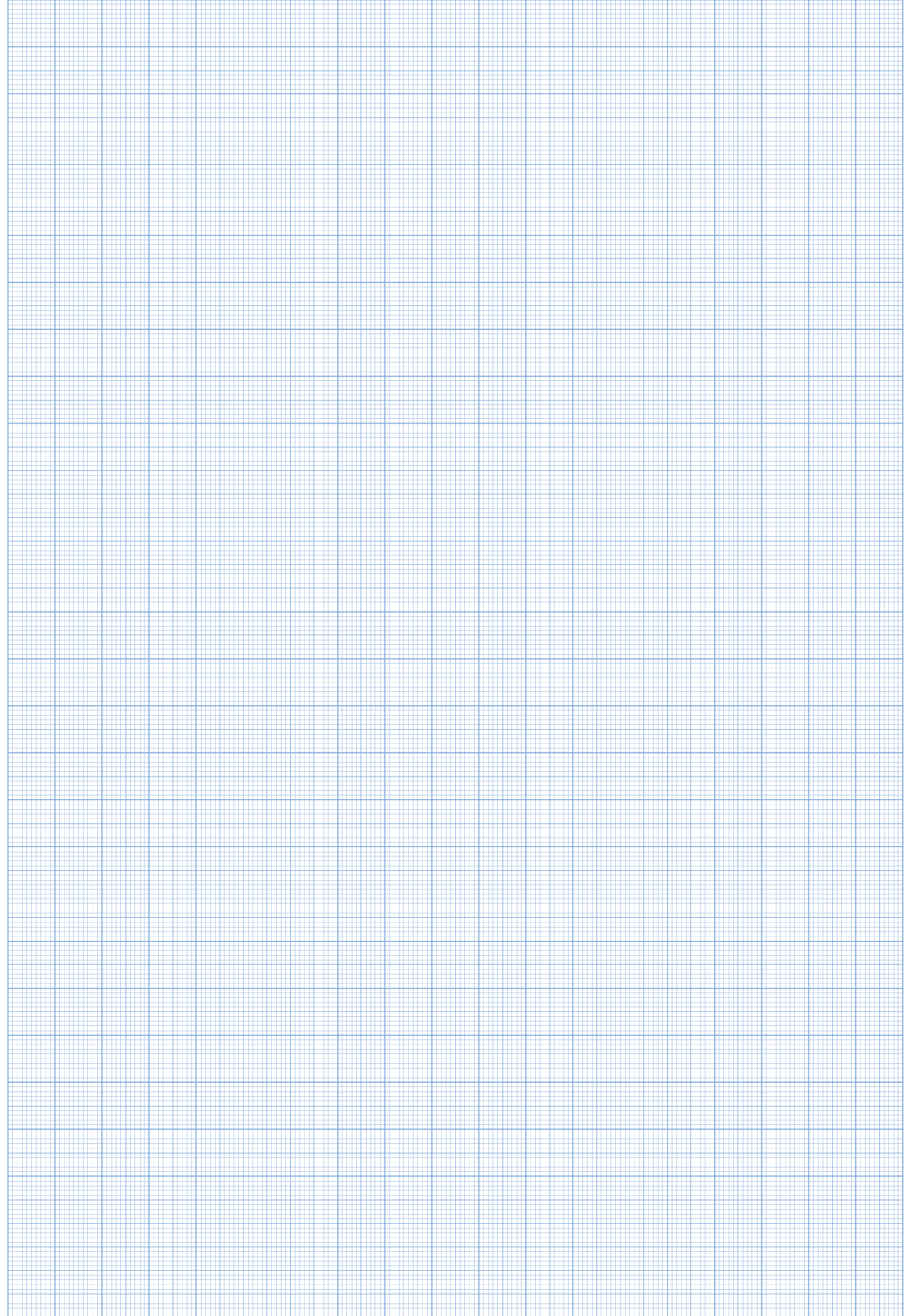
**Part D: Influence of Gyroscope Disk weight [Total point = 3.7]**

**D.1.**

**[1.7pt]**



**D.2.**  
**[1.1pt]**



**D.3.**  
**[0.1pt]**

a	b	c
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**D.4.**  
**[0.8pt]**

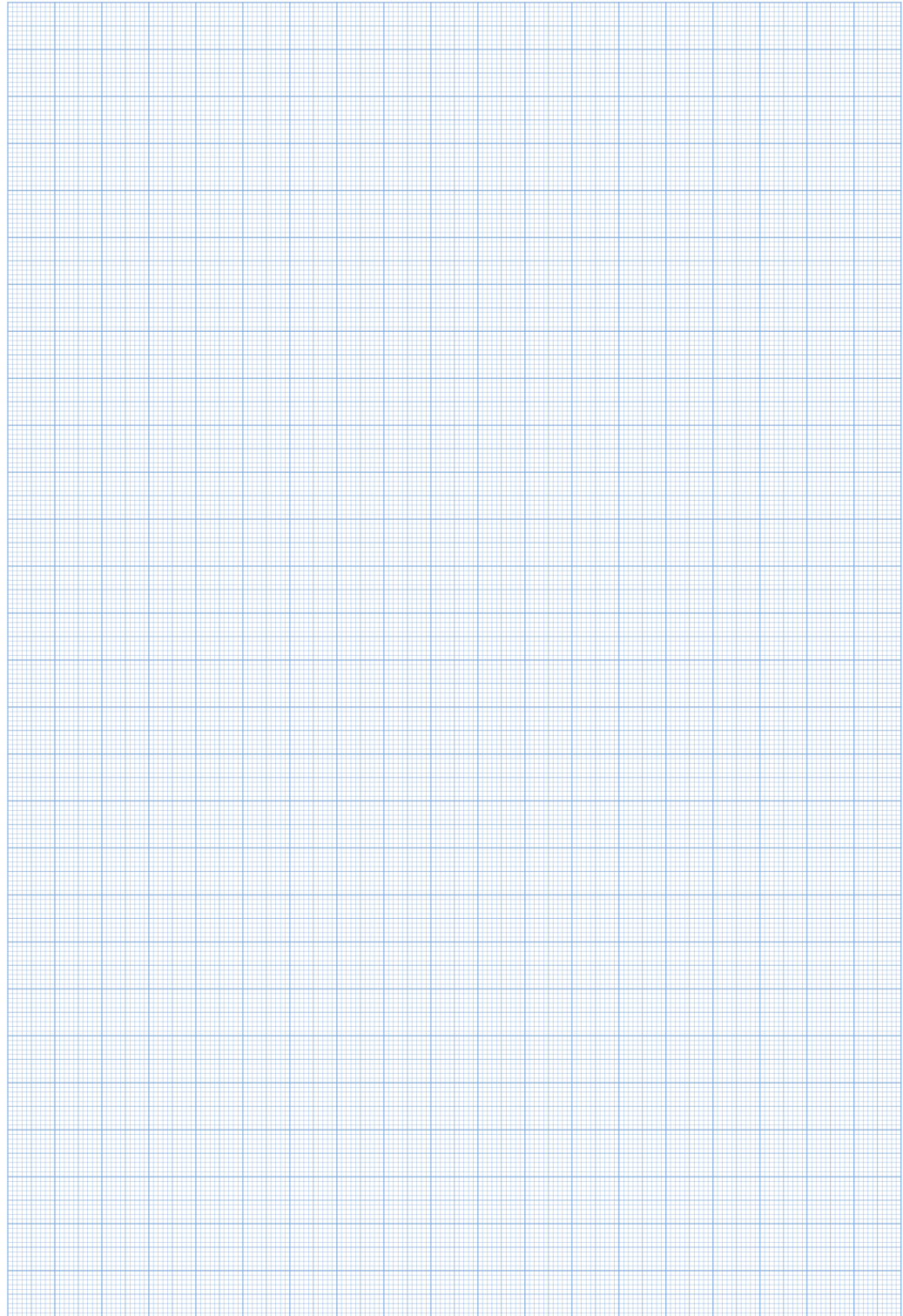
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**Part E: Torque Induced by External Forces [Total point = 3.5]**

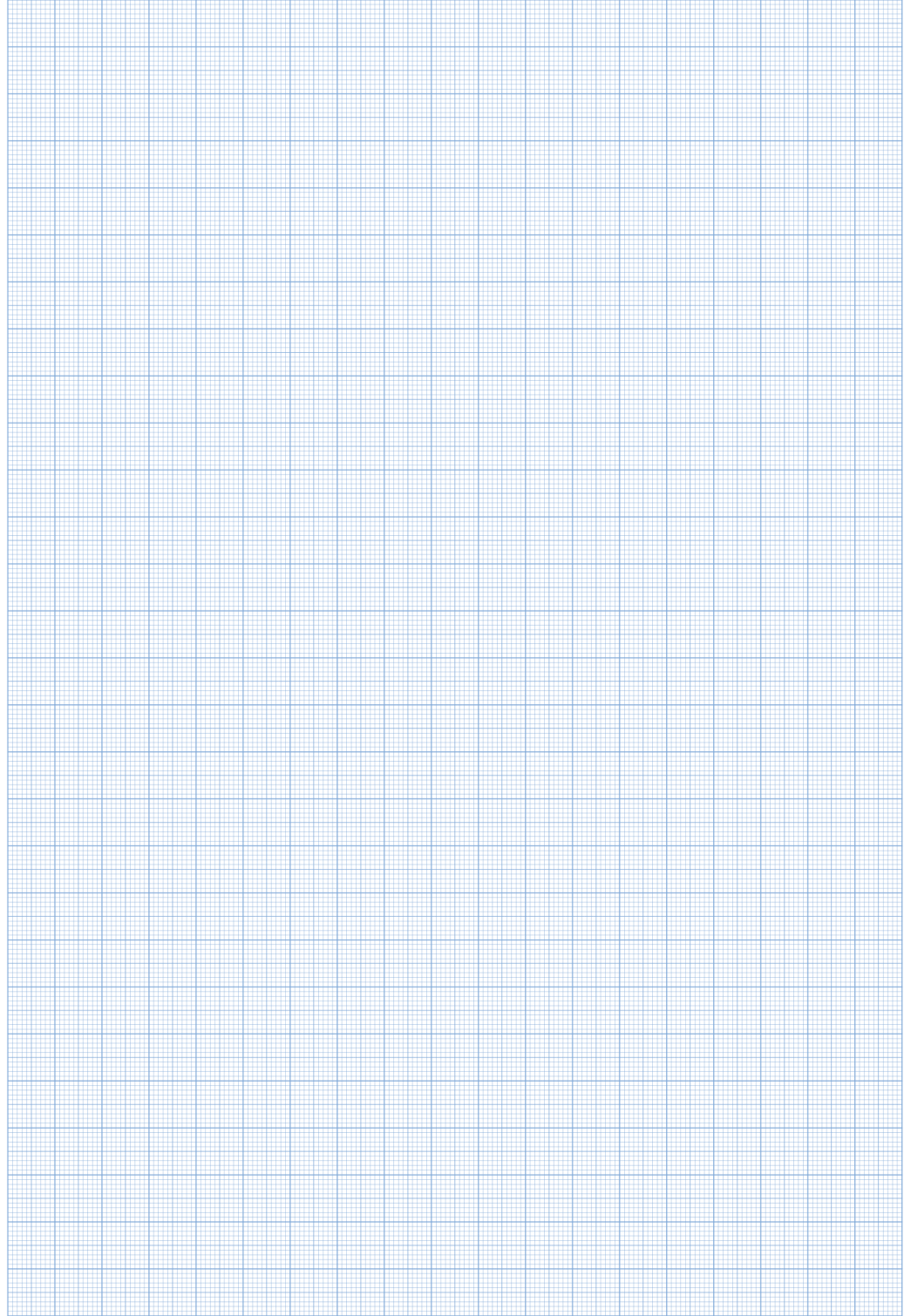
**E.1.**

**[1.3pt]**

**E.2.**  
**[0.8pt]**



**E.3.**  
**[0.8pt]**



**E.4.**

**[0.5pt]**

**E.5.**  
**[0.1pt]**



**Part F: Nutation phenomenon [Total point = 1.5]**

**F.1.**  
**[0.4pt]**

**F.2(i)**  
**[1.0pt]**

**F.2(ii)**  
**[0.1pt]**

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**Part G: Application of gyroscope in self balancing [Total Point = 1.7]**

**G.1.**  
**[1.7pt]**