

FUKIEN SECONDARY SCHOOL  
S3 First Term Examination (2020-2021)  
Physics Answer Sheet  
(45 minutes)

Date: 14<sup>th</sup> January 2021

Name: \_\_\_\_\_

Time: 8:30 a.m. – 09:15 a.m.

Class: \_\_\_\_\_ No.: \_\_\_\_\_

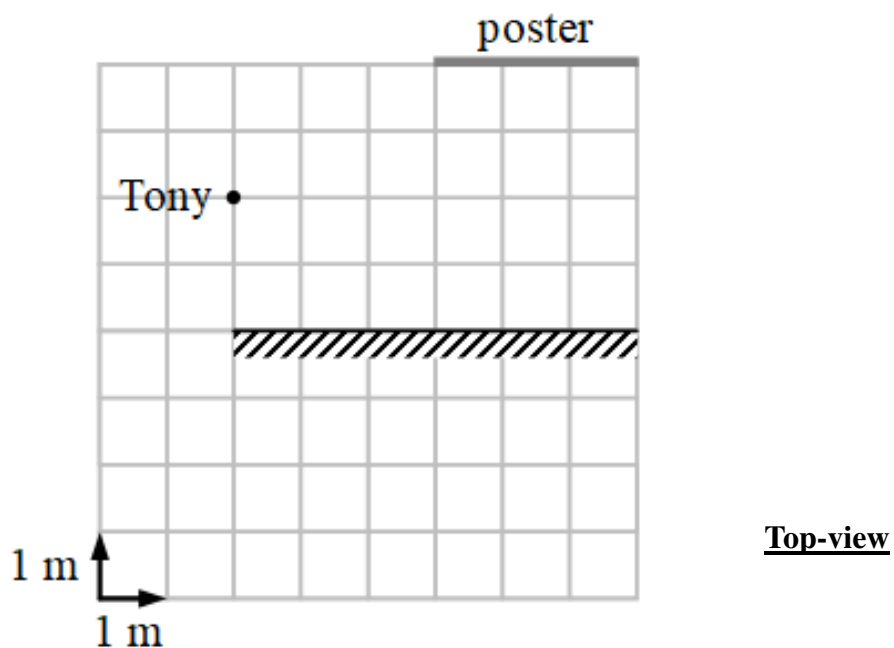
**Section A: Multiple Choice Questions (20 marks)**

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.

**Section B: Structured Questions (40 marks)**

1. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. (a), (b)

**Figure 1**

3. (a) Circle your answer: Jerry should move towards direction (A / B).

(b)

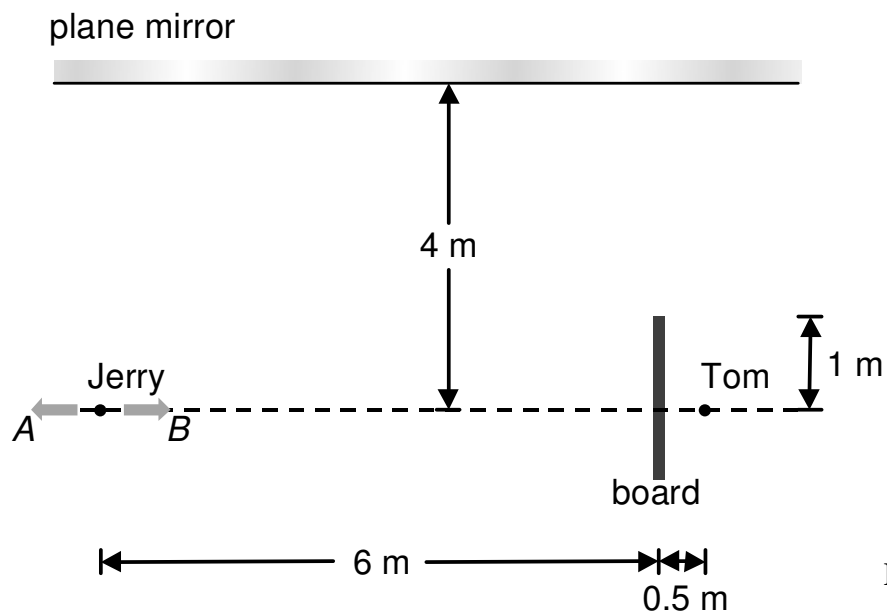


Figure 2

(c)

---



---



---



---



---

4. (a)

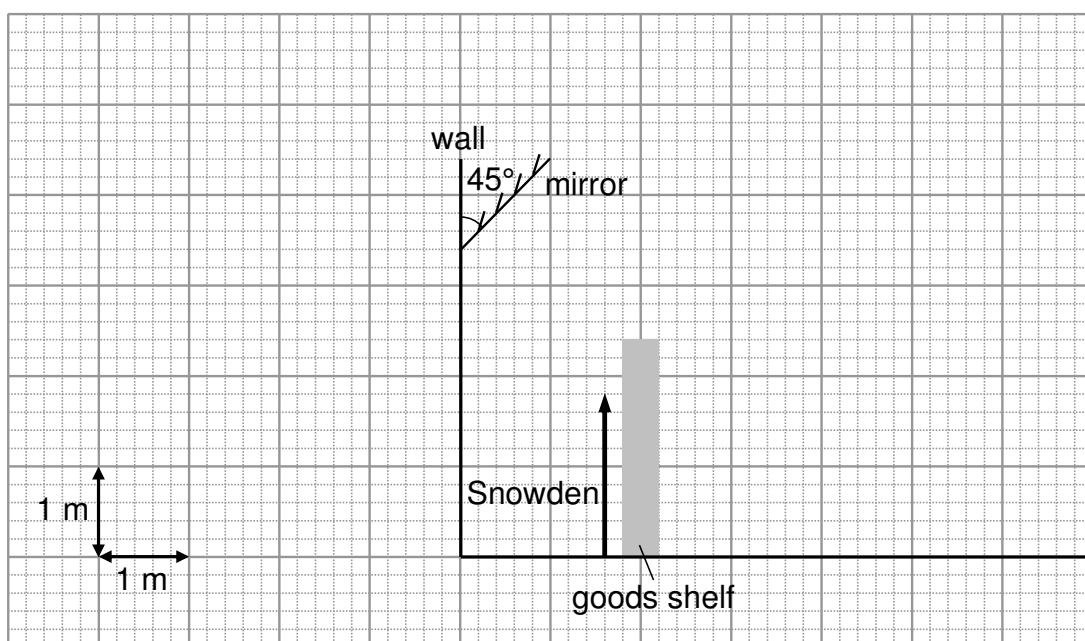


Figure 3

4. (b) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

5. (a) \_\_\_\_\_  
\_\_\_\_\_

(b) \_\_\_\_\_  
\_\_\_\_\_

(c) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(d) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

6. (A) Bend towards the normal (B) Bend away from the normal (C) Total Internal Reflection

	Medium 1 (refractive index)	Medium 2 (refractive index)	Angle of incidence	Result (A / B / C)
(a)	Water ( $n = 1.33$ )	Glass ( $n = 1.5$ )	$60^\circ$	
	Reason:			

	Medium 1 (refractive index)	Medium 2 (refractive index)	Angle of incidence	Result (A / B / C)
(b)	Glass ( $n = 1.5$ )	Diamond ( $n = 2.42$ )	$40^\circ$	
	Reason:			

7. (a) \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

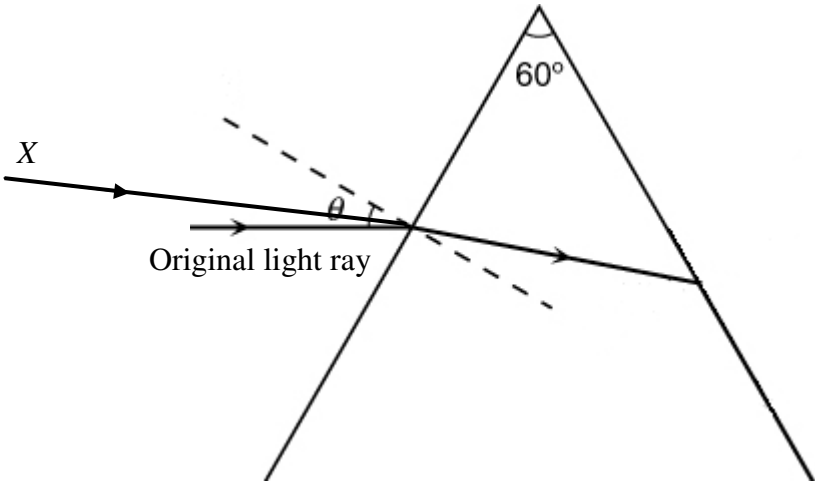
(b) \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

(c)



8. (a)



air

---

water

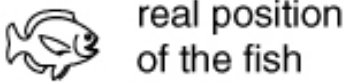


Figure 6

(b)

---

---

---

END OF ANSWER SHEET