

Light

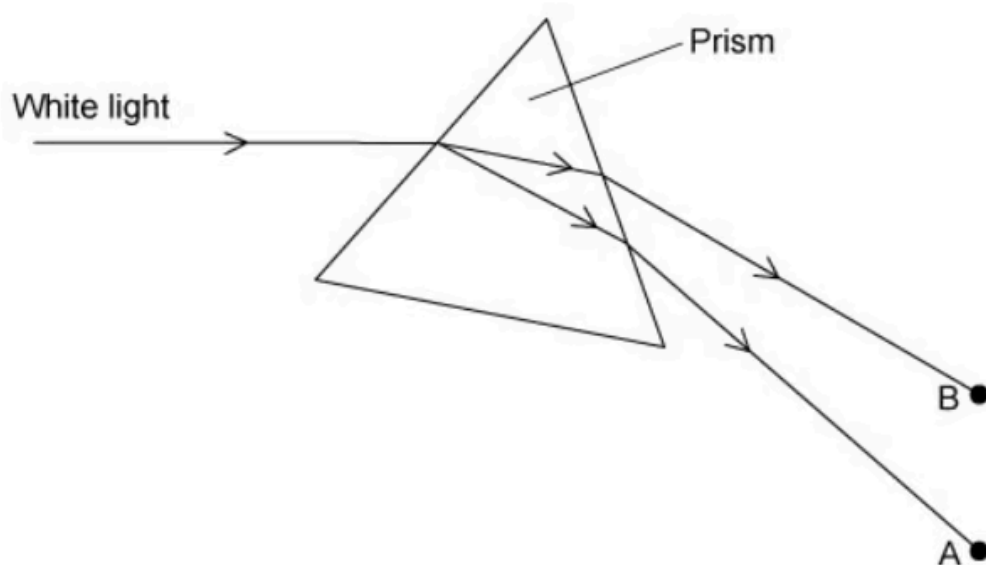
Question Paper

Course	CIE IGCSE Physics
Section	3. Waves
Topic	Light
Difficulty	Easy

Time Allowed	10
Score	/5
Percentage	/100

Question 1

The diagram shows white light passing through a prism.



Which of the following gives colours in the correct order from A to B?

- A.** Red, green, violet
- B.** Red, violet, green
- C.** Violet, red, green
- D.** Violet, green, red

[1 mark]

Question 2

A teacher has a clock mounted in such a way that students can only see its reflection in a plane mirror.

The diagram shows the reflection of the clock.

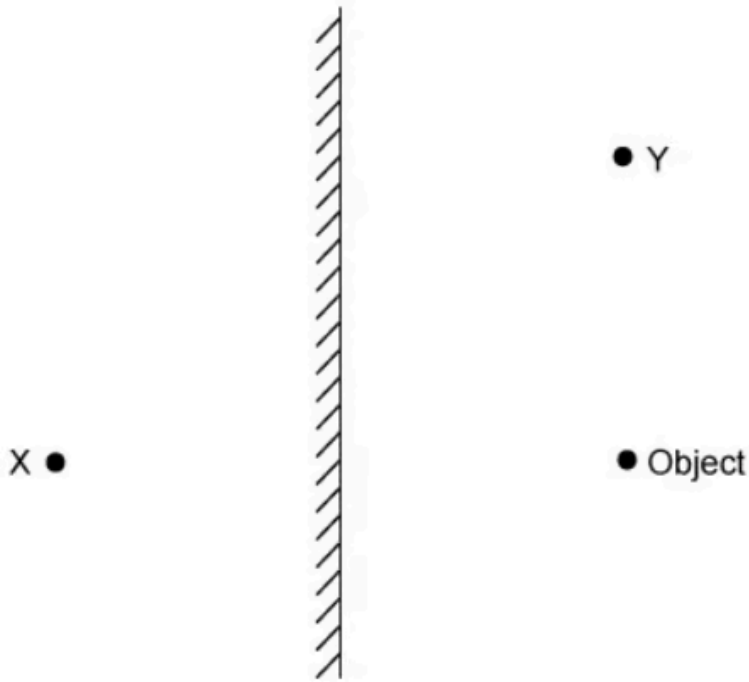


What time is shown on the clock?

- A. 05:40
- B. 07:40
- C. 07:20
- D. 06:20

[1 mark]

Question 3



An object is placed in front of a mirror. Where is the image formed, and is the image real or virtual?

	Image location	Image type
A	X	real
B	X	virtual
C	Y	real
D	Y	virtual

[1 mark]

Question 4

When light passes from a denser material into a less dense material

- A. light slows down and bends toward the normal
- B. light slows down and bends away from the normal
- C. light speeds up and bends toward the normal
- D. light speeds up and bends away from the normal

[1 mark]

Question 5

Identify the correct definition of the critical angle.

- A. The critical angle is the angle of incidence when the angle of refraction is exactly 90° and light is refracted along the boundary
- B. The critical angle is the angle of refraction when the angle of incidence is exactly 90° and light is refracted along the boundary
- C. The critical angle is the angle of incidence when the angle of reflection is exactly 90° and light is reflected along the boundary
- D. The critical angle is the angle of incidence when the angle of refraction is exactly 90° and light is reflected along the boundary

[1 mark]