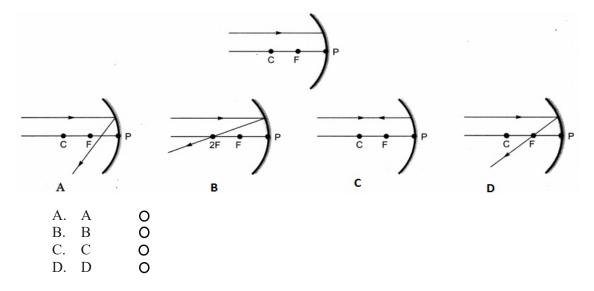
Subject: Science	Assessment Worksheet: 9				
Class: X Name of Student					
<ul> <li>This ASSESSMENT SHEET is of 10 Marks.</li> <li>It has been divided into TWO SECTIONS.</li> <li>SECTION-I contains Multiple Choice Questions (MCQ) of 1 mark each.</li> <li>SECTION-II contains CASE STUDY QUESTIONS, which are Multiple Choice Questions (MCQ) of 1 mark each.</li> </ul>					
	SECTION-I				
<ol> <li>Give an example of a pher</li> <li>A. Red colour of sky</li> </ol>	nomenon where Tyndall effect can be ob	served.			
B. Rainbow formation	in the sky O				
C. Twinkling of stars D. None of these	0				
2. What is the cause of dispersion of white light on passing through a prism?					
A. Different colours	have different speeds in the prism.	0			
B. Non parallel surfa	nces of the prism.	0			
C. Both A and B		0			
D. Neither A nor B		0			
3. The diagrams showing the c	orrect path of the ray after passing throug	gh a lens are –			
A. I and II only B. II and III only C. I, II and III	F <sub>1</sub> F <sub>2</sub>	F <sub>1</sub> F <sub>2</sub>			
	F <sub>1</sub> F <sub>2</sub>	(iv) F <sub>1</sub> F <sub>2</sub>			
4. Name the atmospheric phenomenon due to which the sun can be seen above the horizon about two minutes before actual sunrise.					
<ul><li>A. Scattering of light.</li><li>B. Internal reflection of C. Atmospheric refract</li><li>D. Refractive Index</li></ul>	-				

5. Which of the following ray diagrams is correct for the ray of light incident on a concave mirror as shown in figure?



- 6. The colour which bends the least while passing through a glass prism is-
  - A. Violet.
- B. Red

0

C. Blue **D.** Green

0

## **SECTION-II**

## **CASE STUDY QUESTIONS**

Read the given paragraph carefully and answer the following questions:

The refractive indices of four media A, B, C and D are given in the following table:

Medium	Α	В	С	D
Refractive Index	1.33	1.50	1.52	2.40

- 7. If light, travels from one medium to another, in which case the change in speed will be minimum-
  - A. When light moves between A and B.
- 0

- B. When light moves between B and C
- 0
- C. When light moves between C and D

0

- D. When light moves between A and D
- 0
- 8. If light, travels from one medium to another, in which case the change in speed will be maximum-
  - A. When light moves between A and B.
- 0
- B. When light moves between B and C
- 0
- C. When light moves between C and D

0

D. When light moves	s between A and D	0	
speed of light? A. Speed of light in of B. Speed of light in of C. Speed of light in of the control of the cont	f diamond is 2.42. What is the modiamond is 2.42 times speed of light diamond is 1/2.42 times speed of light diamond is same as of speed of light diamond is twice the speed of light	ght in free space. light in free space. ght in free space.	lation to O O O O
10.Light travels fastest in	-		
<ul><li>A. Water.</li><li>B. Air</li><li>C. Glass</li><li>D. Diamond</li></ul>	O O O		