

PRISM WORLD

Std.: 8 (English) **General Science** Marks: 20

Time: 1 hour Date:

Juto.				<u> </u>
Chapt	er: 16			
Q.1 A)	A) Choose the correct alternative and rewrite the sentence			(2)
1)	Mirrors reflect most of the light t	s reflect most of the light that falls on it because it is a		
	a. transparent c. opaque	b. luminous d. reflecting surface	e.	
2)	Object which emit light of their own are called			
	a. non-luminous objectsc. translucent objects	b. transpare d. luminous		
Q.2 B)	Solve the following questions	5.		(3)
1)	State True or False			(1)
1)	Laws of reflections are followed	only by regular reflection.		
2)	Find the odd one out			(1)
1)	Sun, Moon, Fire, Stars			
3)	Name the following	KCN		(1)
	The reflection of light from a pla	ne and sm <mark>ooth</mark> surface.		
Q.2	Solve the following questions	(Any two) your Drea	ms	(4)
1)	Solve the numerical problem:			
	If the reflected ray makes an an make with the normal?	ngle of 45 ^o with the normal. Wha	at angle must the incident ray	
2)	Draw and Label the diagram			
	Draw 'Reflection of Light" showi a. Incident ray d. Angle of incidence	ng the following. b. Normal e. Angle of reflection	c. Reflected ray f. Point of incidence	
3)	Give scientific reasons			
	In saloon, one can observe the	hair on the back side.		
Q.3	Answer the following in detail (Any TWO)			(6)
1)	Classify the following into regular and irregular reflection when beam of light strikes it. (Polished wooden table, Chalk powder, Cardboard surface, Marble floor with water spread over it, Mirror, Piece of paper)			
2)	How do we see the image of the	e Moon in water ?		
3)	Swara and Yash were looking in the still water. At that instant,	•	•	

blurred. Swara could not understand the reason for the blurring of the images. Explain the

reason for blurring of the images to Swara by answering the following questions.

	ii. Which type of reflection of light can you notice from this?	
	Solve the following questions. Describe an experiment to prove the laws of reflection.	(5)
') [Describe an experiment to prove the laws of reflection.	
	Prosing Colours of your Dreams	