Chapter 5: Light

Worksheet 1

1.	Tick	the	correct	answer.

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(i)	Which one of the following is nonluminous object?					
	(a) The sun	(b) The stars	(c) An electric lamp	(d) A book		
(ii)	Which objects allow light to pass through them partially?					
	(a) Transparent	(b) Translucent	(c) Opaque	(d) None		
(iii)) The image formed by a pinhole camera					
	(a) virtual and erect(c) real and erect		(b) virtual and inverted			
			(d) real and inverted			
(iv)	Solar eclipse occurs when					
	(a) the sun comes in between the earth and the moon					
	(b) the moon comes in between the earth and the sun					
	(c) the earth comes in between the sun and the moon					
	(d) the sun, the moon and the earth remain stationary in their respective position					
(v)	During lunar eclip	se, the moon acts as a	a			
	(a) source of light	(b) shadow	(c) screen	(d) camera		

2. Encircle the odd one out.

- (i) Moon, earth, sofaset, sun
- (ii) Brick, copper, steel, tracing paper
- (iii) Air, water, alcohol, stone
- (iv) Parallel light beam, shadow, divergent light beam, convergent light beam
- (v) Sun, earth, moon, solar eclipse

3. True or False statements.

- (i) The objects which themselves emit light are called luminous objects.
- (ii) Fog is a translucent object.
- (iii) Book is an opaque object.
- (iv) A real image can be obtained on a screen.
- (v) A virtual image is an inverted image.

4. Answer the following questions.

- (i) What is the speed of light in vacuum?
- (ii) What is a source of light? State any two natural sources of light.
- (iii) Define nonluminous object with an example.
- (iv) What is meant by real image?
- (v) How does lunar eclipse occur?

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Worksheet 2

1. Fill in the blanks.

- (i) An almirah is an _____ object.
- (ii) _____ substances allow light to pass through them.
- (iii) A ______ is a dark patch formed when an opaque object blocks the path of light.
- (iv) _____ is the dark portion of a shadow.
- (v) A ______ eclipse is observed on a full moon night only.

2. Match the columns.

Column A

Column B

(i) Wood

- (a) Butter paper
- (ii) Transparent object
- (b) Nonluminous object

(iii) Sun

- (c) Brick
- (iv) Translucent object
- (d) Luminous object
- (v) Opaque object
- (e) Glass

3. Answer the following questions.

- (i) Define umbra of a shadow.
- (ii) How does solar eclipse occur?
- (iii) State the principle on which a pinhole camera works.
- (iv) What type of image is formed by a pinhole camera?
- (v) Name the property of light which travels in a straight line.

4. Write the name of the following figures.







