

Class Notes

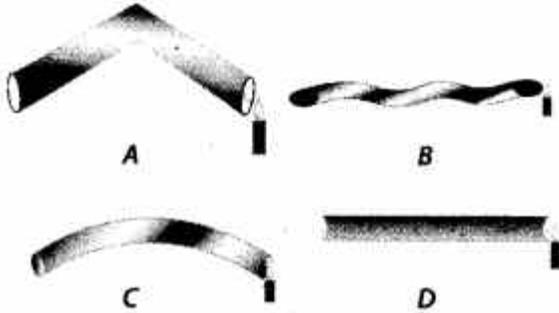
Class: VI

Topic: MCQs based on chapter 11
Light Shadows and Reflection
(Can be solved in soft/Can be downloaded
and saved / Can be written in notebook)

Subject: Science

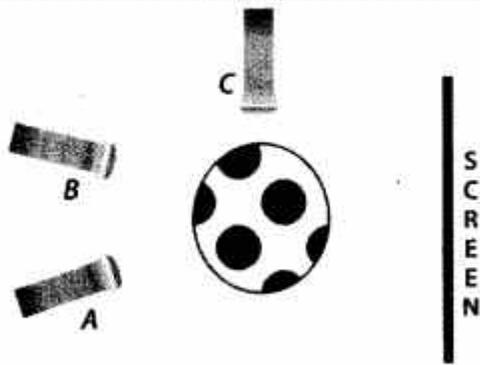
Multiple choice questions

1. Four students A, B, C and D looked through pipes of different shapes to see a candle flame as shown in figure



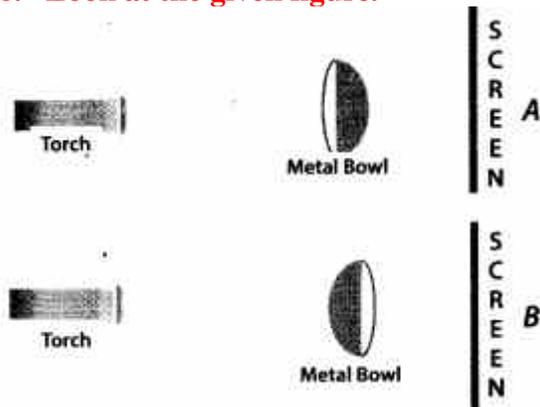
Who will be able to see the candle flame clearly?

- (a) B
 - (b) C
 - (c) A
 - (d) D
2. Which of the following is/are not always necessary to observe a shadow?
- (a) Sun
 - (b) Screen
 - (c) Source of light
 - (d) Opaque object
3. Paheli observed the shadow of a tree at 8:00 a.m., 12:00 noon and 3:00 p.m. Which of the following statements is closest to her observation about the shape and size of the shadow?
- (a) The shape of the shadow of the tree changes but the size remains the same.
 - (b) The size of the shadow of the tree changes but the shape remains the same.
 - (c) Both the size and shape of the shadow of the tree change.
 - (d) Neither the shape nor the size of the shadow changes.
4. Which of the following can never form a circular shadow?
- (a) A ball
 - (b) A flat disc
 - (c) A shoe box
 - (d) An ice cream cone
5. Three torches A, B and C shown in figure are switched on one by one. The light from which of the torches will not form a shadow of the ball on the screen?



- (a) Torch C & torch A
- (b) Torch B & torch A
- (c) Only torch B
- (d) Only torch C

6. Look at the given figure.



Which of the following statements are correct regarding the shadow formed on the screen A and B?

- (a) Shadows formed on the screens A and B will be of same shape and size.
- (b) Shadows formed on the screens A and B will be of different shape and size.
- (c) Shadow of image A will be circular and image B will be oval
- (d) None of above

7. A pinhole camera is a simple camera, without lens, in the shape of a box. Image formed by the pinhole camera is

- (a) Erect and less brighter
- (b) Inverted and less brighter
- (c) Erect and brighter
- (d) Erect as well as Inverted.

8. Statement 1 – Stars are luminous.

Statement 2- Objects that emit light of their own are called luminous object.

Which of the following options are correct in context with above two statements?

- (a) Statement 1 is true but statement 2 is false
- (b) Statement 2 is true but statement 1 is false
- (c) Both the statements are true but statement 2 is not the correct explanation of statement 1.
- (d) Both the statements are true and statement 2 is correct explanation of statement 1.

9. Which of the following is non luminous object?

- (a) Sun
- (b) Eraser
- (c) Lamp
- (d) Tube light

10. Following statements have been written in context of light?

1- Light is a form of energy.

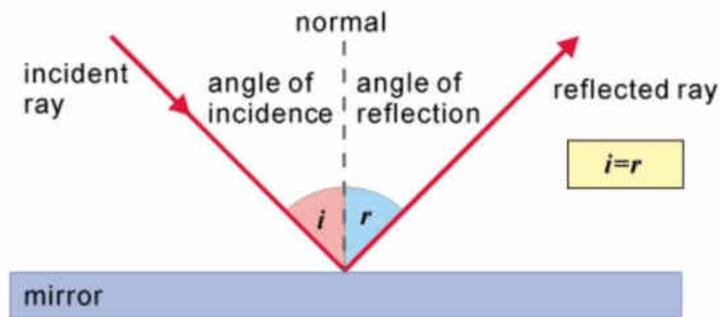
2- We need a source of light to make the object visible.

Choose the correct option -

- (a) Only statement 1 is correct
- (b) Only statement 2 is correct
- (c) Both the statements are correct.
- (d) Both the statements are incorrect.

11. Read the following paragraph and answer the question given below-

We all use mirrors at home. You look into the mirror and see your own face inside the mirror. What you see is a reflection of your face in the mirror. We also see reflections of other objects that are in front of the mirror. Sometimes, we see reflections of trees, buildings and other objects in the water of a pond or a lake.



Bouncing back of light from shining surfaces is called

- (a) Reflection
- (b) Refraction
- (c) Bending
- (d) Dispersion