

Light, Shadows and Reflections

<1M>

1.Pin hole camera can be used to image

- (A) All opaque objects. (B) Sun and brightly lit objects.  
(C) All types of objects. (D) None of these

2.Butter paper is an example of:

- (A) Translucent object (B) Transparent object  
(C) Opaque object (D) All of the above are right

3.If we can see through an object partially, then it is \_\_\_\_\_ in nature.

- (A) Transparent. (B) Translucous. (C) Both (a) and (b) are correct. (D)  
Opaque

4.If we can see through an object clearly, then it is \_\_\_\_\_.

- (A) Transparent (B) Translucous (C) Opaque (D) None of the  
above

5.Objects that emit light of their own are called:

- (A) Non-Luminous objects. (B) Luminous objects.  
(C) Radiant objects. (D) None of the above

6.Iron sheet is an example of \_\_\_\_\_.

- (A) Transparent object (B) Translucent object (C) Opaque object (D) None of  
the above

7.\_\_\_\_\_ reflection gives us clear images.

- (A) Mirror. (B) Platinum. (C) Gold. (D) One can use any  
one of them

8.\_\_\_\_\_ are formed when an opaque object comes in the path of light.

- (A) Matter (B) Waves (C) Sound (D) Shadows

9.Opaque objects do not allow \_\_\_\_\_ to pass through them.

- (A) Energy (B) Light (C) Both (a) and (b). (D) None of the above

10.Light is source of \_\_\_\_\_.

- (A) Energy (B) Air (C) Pressure (D) Matter

11.Light always travels along \_\_\_\_\_.

- (A) Non linear fashion (B) Straight line (C) Circular path (D)  
Can't predict

12.A clear shadow in sunlight can be formed only by:

- (A) Opaque object (B) Transparent Object (C) Translucent object (D) None of the  
above

13.Match the items of column A with those of column B:

Column A

Column B

I.Moon

A. Transparent

II. Wood

B. Non-luminous

III. Glass

C. Luminous



(C) An opaque object.

(D) None of these.

29. The changing of path of light by using a mirror is known as

(A) Reflection of light.

(B) Eclipse.

(C) Scattering of light.

(D) All of these

30. In a pinhole camera, we get an upside down image where as in case of mirrors we see-

(A) Left side as the right side and the right side as the left side.

(B) Objects as they are.

(C) Upside down reflections.

(D) Backside of the object

31. Is it possible to see the reflection of your face in a mirror placed in a darkroom?

(A) Yes

(B) No

(C) Sometimes

(D) May be

32. Which of the following statement is false?

(A) Black thick paper is translucent.

(B) The shadow of an object in sunlight is shortest at noon.

(C) The sun is a natural source of light.

(D) Light forms shadow of the opaque objects.

33. We may see small circular patches of light under a tree because:

(A) There are circular gaps between the leaves of the tree.

(B) Gaps between the leaves act as pin holes.

(C) Both (a) and (b).

(D) None of the above

34. We need \_\_\_\_\_ to see a shadow.

(A) Source of light.

(B) Source of light and an opaque object.

(C) Any object.

(D) Source of light, opaque object and a screen

35. If an object allows light to pass through it, then it is called

(A) Luminous object.

(B) Transparent object.

(C) Non opaque object.

(D) Non luminous object

36. Translucent objects are those objects

(A) Through which we can see clearly.

(B) Through which we can see but not clearly.

(C) Through which we cannot see.

(D) Which do not allow the light to pass through them

37. Shadows are formed when \_\_\_\_\_ object comes in the path of light.

(A) Luminous

(B) Transparent

(C) Opaque

(D) Non luminous

38. Pin hole camera shows the objects:

(A) Erect

(B) Upside down

(C) Only circular

(D) All of these

39. Formation of shadows or pin hole images is possible because of the fact that

(A) Nature plays magic.

(B) Scientists have invented them.

(C) Light travels in a straight line.

(D) Light manages to pass through the objects

40. Find the odd one out-

(A) The fire-fly.

(B) The stars.

(C) The sun.

(D) Burning candles

41. The object which doesn't allow light to pass through it is called -

(A) Transparent. (B) Opaque. (C) Translucent. (D) None of these.

42. Which of the following is a transparent object?

(A) Rubber sheet. (B) Moon. (C) Grounded glass pane. (D) Water.

<2M>

43. In a completely dark room, if you hold a mirror, will you see a reflection of yourself in the mirror?

44. What is reflection of light?

45. What is meant by a luminous body? Give examples

46. What is the nature of the image formed by a pin hole camera? Give reason

<3M>

47. Name three artificial and natural sources of light?

<5M>

48. Show an experiment which proves that light always travels in a straight line.

49. How is a pin hole camera made?

50. Differentiate between a shadow and an image

51. Suggest an activity to show that light travelling along straight lines will get reflected from a mirror in a similar way.