Light					
<1M> 1.Does light travels in straight line?					
2.Can a shiny surface change the direction of the light?					
3.Does light get reflected from a plane mirror?					
4. What is a real image?					
5. What is a virtual image?					
6. What is a concave lens?					
7. What is a convex lens?					
8.Can we obtain an image on screen by a plane mirror?					
9. Which type of lens always forms a virtual image?					
10. Another candle appears behind the mirror when we place a candle in front of it. (A) The candle behind the mirror is known as the image.(B) The candle in front of the mirror is called the object. (C) Both (1) and (2). (D) None of the above.					
11.Convex mirror has its reflecting (shining) surface- (A) Similar to the inner surface of a spoon. (B) Bulging in. (C) Both (a) and (b). (D) Neither (a) nor (b).					
12.An image formed by a plane mirror, that cannot be obtained on a screen is called a- (A) Real Image. (B) Virtual Image. (C) Erect Image. (D) Inverted image.					
13.By using a concave mirror, we can see an image that is- (A) Real or virtual. (B) Smaller or larger than the object. (C) Inverted or erect. (D) All of these.					
14.By using a convex mirror, we can see an image that is- (A) Real, inverted and enlarged. (B) Virtual, erect and diminished. (C) Real, erect and diminished. (D) Virtual, erect and enlarged.					
15. Those lenses which are thicker in the middle than at the edges are- (A) Concave lenses. (B) Diverging lenses. (C) Magnifying lenses. (D) Magnifying glasses or convex lenses.					
16. The nature and size of an image depend upon- (A) The time of conducting the experiment. (C) The kind of the object. (D) The position of the object in case of toolly.					

17. Concave lenses are also known as-

(A) Diverging lenses becau(B) Converging lenses becau(C) Diverging lenses becau(D) Only (a) and (c).	ause they cor	nverge light to a	_		
18.Sunlight consists of- (A) White colour only. colour.	(B) Fiv	ve colours.	(C) Seven	colours.	(D) Blue
19. The correct sequence of (A) Blue, Orange, Red, WI (B) Violet, Blue, Indigo, G (C) Red, Orange, Yellow, (D) Red, Orange, Yellow,	hite, Purple, ` reen, Red, Y Green, Blue,	Yellow, Green. Tellow, Orange. Indigo, Violet.	is-		
20.Concave mirror has its(A) Bulging in.(C) Like the outer surface	-	nining) surface- (B) Bulging o (D) Both (b) a			
21. The image can be obtai (A) The screen is placed be (B) The screen is placed in (C) The screen is placed in (D) The image cannot be of	ehind the plan in front of the infront or behi	ne mirror. plane mirror. ind the plane m			
22.In an image obtained by (A) Theleft side of the image. (C) Thetop of the image.	_	ror, left side of (B) Theright s (D) Thebottor	ide of the im	nage.	
23.In the side mirror of a c(A) Equal to the objects.(C) Larger than the objects	(B) Sm	es of all the object naller than the o (D) As points.	bjects.		
24. The shape of a mirror c (A) Plane. (B) Conve		(C) Concave.	(I	O) All the three.	
25. The distance of the ima (A) More than the distance (B) Less than the distance (C) Same as the distance o (D) None of these.	of the object	t from the mirro			
26.If a small circular disc v (A) The seven colours rota (B) The seven colours becc (C) Black colour. (D) White colour.	ting in the sa	me sequence.	painted on it,	is rotated, we s	see-
27. The image formed by a (A) Of smaller size, if the (B) Of smaller size, if the (C) Of the same size as tha (D) Of larger size, if the m	mirror is larg mirror is sma at of the objec	er. ller. ct - does not ma	tter if the mi	rror is small or	large.

28.Objects become visible to us becaus(A) Light is absorbed by them.(C) They obstruct the path of light.	e- (B) Light is reflected by them before reaching our eyes. (D) None of these.					
29.Direction of reflected light changes (A) The mirror is rotated slightly. (C) Both (1) and (2).	if- (B) The object is moved sideways. (D) None of these.					
30. You cannot see the flame of a lighter straight pipe, because: (A) Light travels in a straight line. (C) Bent pipe was blocked.	ed candle through (B) Pipe is poli (D) All of these	shed.	see it through a			
31. When light falls on a polished or shi (A) The light is absorbed by it. (C) The light gets deflected in different	•	(B) The direction of light (D) All of these.	nt changes.			
32. The change in direction of light afte (A) Beam of light. (B) Se light.	r striking a mirro archlight.	r is called- (C) Reflection of light.	(D) Path of			
33. Those transparent glasses which are (A) Concave lenses. B) Magnifying telescopes.		ddle than at the edges are d in microscopes.	D) Used in			
34. The image formed by a plane mirror will be- (A) Larger. B) Erect. (C) Inverted. (D) Tilted.						
35. Which of the following mirror is use (A) Convex. (B) Plane. convex.	ed by the doctors' (C) Co		h concave and			
36.Reflector of a torch has- (A) Plain surface. (B) Co surface.	oncave surface.	(C) Convex surface.	(D) Irregular			
37.Can you identify lenses just by touc (A) No. (B) Yes. lenses.	hing? (C) Only conve	ex lenses. (D) On	ly concave			
38.A circular disc with all the seven co called- (A) Circular disc. (B) Ra Newton's disc.	lours of rainbow	painted on it in correct se (C) VIBGYOR disc.	equence, is (D)			
39. We can see a rainbow only when- (A) Our face is towards the Sun. (C) We look at the Sun.		s towards the Sun. nywhere in the sky.				
40. What do you mean by reflection of	light?					
41. How are objects visible?						

- <2M>
- 42. Explain why we can't see the flame of a candle through a bent pipe?
- 43. How do we know that ambulance is coming behind our vehicles?
- 44. How can we see the image formed by a lens?
- 45. What are the characteristics of the image formed by a concave lens?
- 46. What are the characteristics of the image formed by a convex mirror?
- 47. What are the characteristics of the image formed by a plane mirror?
- 48. Which lens is used as magnifying glass? Why?
- 49. How are convex mirrors used?
- 50.List various uses of lenses?
- <3M>
- 51. Explain an activity in which images are interchanged sideways. (lateral version)
- 52. Differentiate between concave lens and convex lens.
- 53. State the characteristics of the image formed by a concave mirror when the object is placed very close.
- 54. Which mirrors are used as side mirrors in scooters and cars? Justify your answer.
- 55. What are the uses of concave mirrors?
- 56. What are concave mirrors and convex mirrors?
- <5M>
- 57. Differentiate between real and virtual image.
- 58. Explain Newton's disc.