# **Chapter 15**

## **MULTIPLE CHOICE QUESTIONS**

1.	(c)	2.	(a)	3.	(b)	4.	(b)
5.	(b)	6.	(b)	7.	(c)	8.	(b)

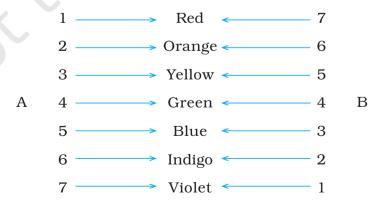
### VERY SHORT ANSWER QUESTIONS

- 9. Concave lens.
- 10. (a) concave
  - (b) plane
  - (c) convex
  - (d) concave
- 11. (a) False
  - (b) False
  - (c) True
  - (d) False

#### SHORT ANSWER QUESTIONS

- 12. Convex mirror. Convex mirrors can form images of objects spread over a large area. So these help the drivers to see the traffic of a large area behind them.
- 13. A convex lens; B concave lens.
- 14. No, laser torch gives out light of only one colour.





130

- 16. The driver will not be able to see traffic spread over a large area behind him.
- 17. The beam of light will be diffused with lower intensity.
- 18. The image formed on the screen could be enlarged and erect if the object is placed upside down between F and 2F of the lens.
- 19. If the letters appear bigger/magnified, then the lens is a convex lens. If the letters appear smaller, then the lens will be concave lens.
- 20. He will fix a convex mirror because it can form images of object spread over a large area.
- 21. The object is moving away from the lens.

### LONG ANSWER QUESTIONS

- 22. **Hint :** (i) By using a concave mirror and a screen.
  - (ii) By using a convex lens and a screen.
- 23. It is a convex lens.

No, when the object is placed close to a convex lens then the image formed is virtual which cannot be obtained on screen.

24. **Hint** : By forming images with the help of the three mirrors.