

**DELHI PUBLIC SCHOOL, JAMMU**

**SESSION: 2025-2026**

**ASSIGNMENT -II**

**CLASS : VII**

**SUBJECT: SCIENCE**

**CHAPTER : LIGHT**

**Q1.** Which of the following is a converging lens?

- a) Concave lens    b) Plane lens    c) Convex lens    d) All of these

**Q2.** The centre of the reflecting surface of a spherical mirror is called \_\_\_\_.

- a) Optical centre    b) Pole    c) Focus    d) Focal length

**Q3.** Which colour appears on the upper arc of rainbow?

- a) Violet    b) Orange    c) Red    d) Yellow

**Q4.Assertion:** Screen is the surface where we obtain real images of objects.

**Reason :** Screen is an essential component for obtaining real images.

**Q5.Assertion:** Reflection from spherical mirrors forms virtual images only.

**Reason:** Spherical mirrors are similar to plane mirrors.

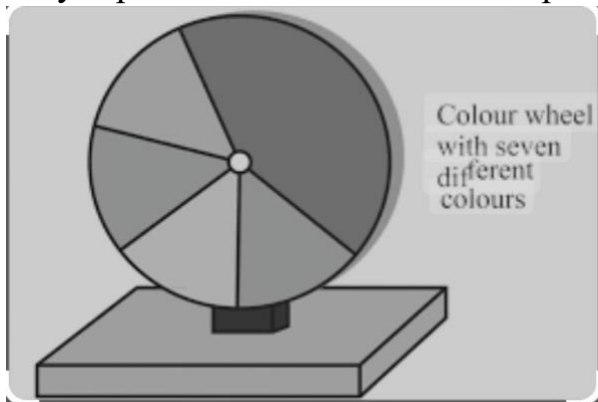
A)Both A and R are true, and R is the correct explanation of A.

B) Both A and R are true, but R is not the correct explanation of A.

C) A is true, but R is false.

D) A is false, but R is true.

**Q6.A.** Shriya spins a multicolored wheel rapidly.



What colour will the rapidly spinning wheel appear to be?

B. Sunlight passes through a raindrop and forms a rainbow. Explain the process that leads to the formation of a rainbow.

**Q7.** Why can't we see the flame of a candle through a bent tube?

**Q8.** A Shopkeeper wanted to fix a mirror which will give a maximum view of his shop. What type of mirror should he use? Give a reason.