

**DELHI PUBLIC SCHOOL, JAMMU**  
**SESSION (2018-2019)**  
**ASSIGNMENT SHEET-IV**  
**CHAPTER - LIGHT**

**Class : VII**

**SUBJECT: SCIENCE**

**Long answer questions**

1. Distinguish between a plane mirror, a concave mirror and a convex mirror.
2. Write down the uses of convex and concave lenses?
3. With the help of a ray diagram, show where the image will be formed when the object is placed at
  - (a) Infinity (convex lens)
  - (b) Focus of a concave mirror
  - (c) Beyond the centre of curvature of a concave mirror
- 4 . With the help of a ray diagram explain
  - (a) Incident ray
  - (b) Reflected ray
  - (c) Normal ray
  - (d) Angle of incidence
  - (e) Angle of reflection
5. What causes the formation of rainbow after rainfall? Explain this phenomenon