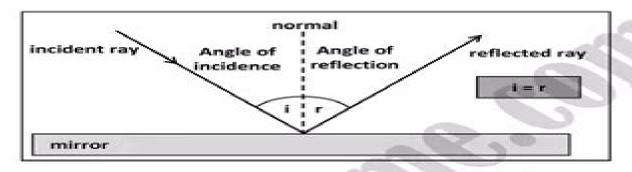
(ii) The incident ray, reflected ray and the normal to the reflecting surface all lie in the same plane is also known as the second law of reflection.

These laws of reflection apply to all types of reflections, including reflections from spherical surfaces. These are also applicable to regular and irregular types of reflections.



#### Q.4: What are spherical, concave and convex mirrors?

#### Ans: Spherical Mirror:

A spherical mirror is a mirror with a curved reflecting surface. Most curved mirrors have surfaces that are shaped like parts of a sphere.

#### Convex Mirror:

A convex mirror is a spherical mirror in which the reflective surface bulges towards the light source. Convex mirrors reflect light outwards and are therefore not used to focus light.



#### Concave Mirror:

A concave mirror has a reflecting surface that is recessed inward away from the light source. Concave minors reflect light inward to one focal point. They are used to focus light.

# **The Fringe Of Optics Answers**

**Nidhi Goel** 

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