

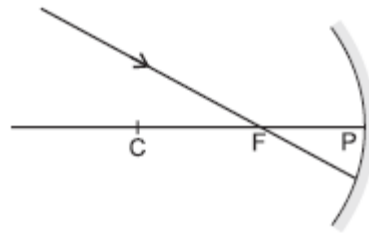
O P JINDAL SCHOOL, SAVITRINAGAR

ASSIGNMENT

CLASS X PHYSICS

61 Explain why a ray of light passing through the centre of curvature of a concave mirror, gets reflected along the same path. 1

62 Redraw the diagram given below in your answer book and show the direction of the light ray after reflection from the mirror.



63 A concave mirror forms a sharp image of a distant tree. What name is given to the distance between the concave mirror and screen on which sharp image is formed? 1

64 In what condition, the image formed by a concave mirror is virtual? 1

65 Specified the size of image formed by a concave mirror when $m > 1$. 1

66 Name the mirror that can be used to check theft in shops. 1

67 What is the position of the object placed on the side of reflecting surface of a concave mirror of focal length 15 cm if the image is formed at the distance of 30 cm from the mirror? 1

- 68 Which mirror, concave or convex always converges the light rays? 1
- 69 When light undergoes refraction at the surface of two media, what happens to the speed of light? 1
- 70 Why does a ray of light bend when it travels from one medium into another? 1