



**NATIONAL MODEL SENIOR SECONDARY SCHOOL
PEELAMEDU – COIMBATORE
PHYSICS**

CHAPTER – 10 LIGHT – REFLECTION AND REFRACTION

OBJECTIVE TYPE QUESTIONS

1. The laws of reflection hold good for
 - (a) plane mirror only
 - (b) concave mirror only
 - (c) convex mirror only
 - (d) all mirrors irrespective of their shape
2. If an incident ray passes through the focus, the reflected ray will
 - (a) pass through the pole
 - (b) be parallel to the principal axis
 - (c) retrace its path
 - (d) pass through the centre of curvature
3. An object is placed at a distance of 0.25 m in front of a plane mirror. The distance between the object and image will be
 - a. 0.25 m
 - b. 1 m
 - c. 0.5m
 - d. 0.125 m
4. When a ray passes thru centre of curvature it gets reflected along same path. In this case angle of incidence and angle of reflection is ____ degrees
 - a. 180
 - b. 30
 - c. 0
 - d. 90
5. When an object is placed in front of a Concave mirror between C and F, the image formed is
 - (a) virtual and enlarged
 - (b) real and enlarged
 - (c) virtual and diminished
 - (d) real and diminished
6. If the focal length of a converging mirror is 20cm. The radius of the spherical mirror used is
 - (a) 20cm
 - (b) 10cm
 - (c) 40cm
 - (d) 30cm
7. The value $m = +1$ can happen in ____ and it indicates ____
 - (a) convex mirror and real, enlarged image
 - (b) concave mirror and virtual, enlarged image
 - (c) plane mirror and virtual, enlarged image
 - (d) plane mirror and virtual, same size image

8. A convex mirror always produce

- (a) Real, enlarged image (b) Virtual, enlarged image
(c) Real, diminished image (d) Virtual, diminished image

9. Shaving mirror and rear view mirror are the examples of _____ and _____

- (a) Convex and Concave mirror (b) Concave and Convex mirror
(c) Plane and Concave mirror (d) Plane and Convex mirror

10. In a concave mirror when object moves closer to mirror, the image formed by it, shifts

- (a) away from the mirror (b) towards the mirror
(c) first towards and then away from the mirror (d) first away and then towards the mirror