



**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