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1 Mark Each

- If $\angle I = 0^\circ$, then
 - $\angle r = 90^\circ$
 - $\angle r = 180^\circ$
 - $\angle r = 270^\circ$
 - $\angle r = 0^\circ$
- The speed of light in vacuum is
 - $3 \times 10^8 \text{ cm/s}$
 - $3 \times 10^8 \text{ ms/s}$
 - $3 \times 10^8 \text{ ms/s}$
 - $3 \times 10^8 \text{ dm/s}$
- Linear magnification (m) of a plane mirror is
 - less than one
 - greater than one
 - equal to one
 - 2
- An object is placed between two plane mirrors inclined at an angle of 60° . How many images of the object will be formed?
 - 4
 - 8
 - 7
 - 5
- If refractive index of water with respect to air is $\frac{4}{3}$, then refractive index of air with respect to water is
 - $\frac{3}{4}$
 - 4×3
 - $\sqrt{\frac{4}{3}}$
 - 3.4

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6. The focal length of a plane mirror is
 - (a) 0
 - (b) 40cm
 - (c) 20cm
 - (d) ∞
7. Which of the following quantity remains the same when light goes from one medium to another medium?
 - (a) speed
 - (b) Frequency
 - (c) wavelength
 - (d) intensity
8. The power of a convex lens of focal length 2cm is
 - (a) 6 D
 - (b) 4D
 - (c) 3D
 - (d) 2D
9. Which one of the following materials cannot be used to make a lens?
 - (a) water
 - (b) clay
 - (c) plastic
 - (d) glass
10. Which one of the following lenses, would you prefer to use while reading small letters found in a dictionary?
 - (a) A convex lens of local length 50cm
 - (b) A concave lens of local length 50cm
 - (c) A convex lens of local length 5cm
 - (d) A concave lens of local length 5cm

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