

Physics 10th Class English Medium Unit 3 Online Test

Sr	Questions	Answers Choice
1	Mathematical relationship between critical angle "C" and refractive index "n" is:	A. $N = C$ B. $N = 1 / \sin c$ C. $N = 1 / \cos c$ D. $N = 1 / \sin^2 c$
2	Snell's law is stated as:	A. $\sin i / \sin r = n_1/n_2$ B. $\sin i / \sin r = n_2/n_1$ C. $\sin r / \sin i = n_2/n_1$ D. $\sin r / \sin i = 2n_2/n_1$
3	An object is placed 6 cm away in front of a concave mirror that has 10 cm focal length. Determine the location of the image:	A. -5 cm B. -10 cm C. -15 cm D. -20 cm
4	The focal length is related to radius of curvature by the formula:	A. $f = 2R$ B. $f = 4R$ C. $f = R/2$ D. $R = f/2$
5	The principal focus of a concave mirror is:	A. Virtual B. Real C. Imaginary D. Dual aspect
6	In a convex mirror the size of the image:	A. Is smaller than the size of the object B. Is greater than the size of the object C. Depends upon the position of the object D. Is equal to the size of the object