

## Physics 10th Class English Medium Unit 5 Online Test

Sr	Questions	Answers Choice
1	The distance between principal focus and pole of mirror is called:	<p>A. <b>Principal focus</b></p> <p>B. <b>Focal length</b></p> <p>C. Aperture</p> <p>D. Image</p>
2	The point through which rays of light pass after reflection from concave mirror is called principal:	<p>A. <b>Focus</b></p> <p>B. Circle</p> <p>C. Axis</p> <p>D. Radius</p>
3	Half of radius of curvature is called:	<p>A. <b>Focal length</b></p> <p>B. Principal focus</p> <p>C. Axis</p> <p>D. Aperture</p>
4	The center of curved surface of spherical mirror is called:	<p>A. Focus</p> <p>B. Axis</p> <p>C. Centre</p> <p>D. <b>Pole</b></p>
5	The diameter of spherical mirror is called:	<p>A. Curvature</p> <p>B. <b>Aperture</b></p> <p>C. Sphere</p> <p>D. Both a and b</p>
6	The critical angle for a beam of light passing from water into air is 48.8 degrees. This mean that all light rays with an angle of incidence greater than this angle will be:	<p>A. Absorbed</p> <p>B. <b>Totally reflected</b></p> <p>C. Partially reflected and partially transmitted</p> <p>D. Totally transmitted</p>
7	If a ray of light in glass is incident on an air surface at an angle greater than the critical angle, the ray will:	<p>A. Refract only</p> <p>B. <b>Reflect only</b></p> <p>C. Partially refract and partially reflect</p> <p>D. Diffract only</p>
		<p>A. <b>Real, inverted, and diminished</b></p>

8	Image formed on a camera is:	<p>&lt;/p&gt;  B. &lt;p class="MsoNormal"&gt;Virtual, upright and diminished&lt;/p&gt;&lt;/p&gt;  C. &lt;p class="MsoNormal"&gt;Virtual, upright and magnified&lt;/p&gt;&lt;/p&gt;&lt;/p&gt;  D. &lt;p class="MsoNormal"&gt;Real, inverted and magnified&lt;/p&gt;&lt;/p&gt;&lt;/p&gt;</p>
9	Which type of image is produced by the converging lens of human eye if it views a distant object:	A. <p class="MsoNormal">Real, erect, same size</p></p></p> B. <p class="MsoNormal">Real, inverted, diminished</p></p></p> C. <p class="MsoNormal">Virtual, erect, diminished</p></p></p> D. <p class="MsoNormal">Virtual, inverted, magnified</p></p></p>
10	Which type of image is formed by a convex lens on a screen:	A. <p class="MsoNormal">Inverted and real</p></p></p> B. <p class="MsoNormal">Inverted and virtual</p></p></p> C. <p class="MsoNormal">Upright and real</p></p></p> D. <p class="MsoNormal">Upright and virtual</p></p></p>
11	The index of refraction depends on:	A. <p class="MsoNormal">The focal length</p></p></p> B. <p class="MsoNormal">The speed of light</p></p></p> C. <p class="MsoNormal">The image distance</p></p></p> D. <p class="MsoNormal">The object distance</p></p></p>
12	An object is 14 cm in front of a convex mirror. The image is 5.8 cm behind the mirror. What is the focal length of the mirror:	A. <p class="MsoNormal">-4.1 cm</p></p></p> B. <p class="MsoNormal">-8.2 cm</p></p></p> C. <p class="MsoNormal">-9.9 cm</p></p></p> D. <p class="MsoNormal">-20 cm</p></p></p>