

## Geometrical Optics

Sr	Questions	Answers Choice
1	Which of the following is not processing:	<p>A. <code>&lt;p class="MsoNormal"&gt;Arranging&lt;/p&gt;&lt;/p&gt;&lt;/code&gt;</code></p> <p>B. <code>&lt;p class="MsoNormal"&gt;Manipulating&lt;/p&gt;&lt;/p&gt;&lt;/code&gt;</code></p> <p>C. <code>&lt;p class="MsoNormal"&gt;Calculating&lt;/p&gt;&lt;/p&gt;&lt;/code&gt;</code></p> <p>D. <code>&lt;p class="MsoNormal"&gt;Gathering&lt;/p&gt;&lt;/p&gt;&lt;/code&gt;</code></p>
2	The critical angle for glass to:	<p>A. 24<sup>&lt;sup&gt;o&lt;/sup&gt;</sup></p> <p>B. 48<sup>&lt;sup&gt;o&lt;/sup&gt;</sup></p> <p>C. 42<sup>&lt;sup&gt;o&lt;/sup&gt;</sup></p> <p>D. 50<sup>&lt;sup&gt;o&lt;/sup&gt;</sup></p>
3	Bouncing back of light after striking the surface is called:	<p>A. Refraction</p> <p>B. Reflection</p> <p>C. Diffraction</p> <p>D. Interference</p>
4	An example of input device computer is:	<p>A. <code>&lt;p class="MsoNormal"&gt;Keyboard&lt;/p&gt;&lt;/p&gt;&lt;/code&gt;</code></p> <p>B. <code>&lt;p class="MsoNormal"&gt;printer&lt;/p&gt;&lt;/p&gt;&lt;/code&gt;</code></p> <p>C. <code>&lt;p class="MsoNormal"&gt;monitor&lt;/p&gt;&lt;/p&gt;&lt;/code&gt;</code></p> <p>D. <code>&lt;p class="MsoNormal"&gt;RAM&lt;/p&gt;&lt;/p&gt;&lt;/code&gt;</code></p>
5	The line which passes through pole of the mirror and center of curvature is called principal:	<p>A. axis</p> <p>B. Focus</p> <p>C. Line</p> <p>D. None of these</p>
6	The S.I unit of power of a lens is:	<p>A. Diopre</p> <p>B. Volt</p> <p>C. Ampere</p> <p>D. Watt</p>
7	The refractive index of internal coating of optical fibre is:	<p>A. 1.56</p> <p>B. 1.51</p> <p>C. 1.53</p> <p>D. 1.58</p>
8	When light passes through a prism it deviates from its original path due to:	<p>A. Reflection</p> <p>B. Diffraction</p> <p>C. Interference</p> <p>D. Refraction</p>
9	The centre of spherical mirror is called:	<p>A. Focus</p> <p>B. Axis</p> <p>C. Centre</p> <p>D. Pole</p>
10	The distance between two consecutive waves compressions or rarefactions is called:	<p>A. <code>&lt;p class="MsoNormal"&gt;Focal length&lt;/p&gt;&lt;/p&gt;&lt;/code&gt;</code></p> <p>B. <code>&lt;p class="MsoNormal"&gt;Wave length&lt;/p&gt;&lt;/p&gt;&lt;/code&gt;</code></p> <p>C. <code>&lt;p class="MsoNormal"&gt;Frequency&lt;/p&gt;&lt;/p&gt;&lt;/code&gt;</code></p> <p>D. <code>&lt;p class="MsoNormal"&gt;Time period&lt;/p&gt;&lt;/p&gt;&lt;/code&gt;</code></p>
11	The index of refraction depends on:	<p>A. The focal length</p> <p>B. The speed of light</p> <p>C. the image distance</p> <p>D. The object distance</p>
		A. Focal length

12	Half of radius of curvature is called:	B. Principal focus C. Axis D. None of these
13	Which types of image is formed by a concave lens on a screen?	A. Inverted and real B. Inverted and virtual C. upright and real D. Upright and virtual
14	The point through which rays of light pass after reflection from concave mirror is called principal:	A. Focus B. Circle C. Axis D. Radius
15	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:	A. Absorbed B. Totally reflected C. Partially reflected and partially transmitted D. Totally transmitted
16	When the object is placed beyond 2F of a convex lens, the image formed will be:	A. Real, inverted and smaller than the object B. Real, inverted and of the same size as the object C. Real, inverted and larger in size than the object D. Virtual, erect and larger in size than the object
17	Optical fibers work on the principle of:	A. Refraction B. Reflection C. Total internal reflection D. Diffraction
18	Which types of image is produced by the converging lens of human eye if it view a distant object?	A. Real , erect, same size B. Real, inverted, diminished C. Virtual, erect, diminished D. Virtual, inverted, magnified
19	The ray of light striking to the side of prism is called:	A. refraction ray B. incident ray C. reflected ray D. emergent ray
20	What does the term e-mail stand for:	A. <p class="MsoNormal">Emergency mail</o:p></o:p></p> B. <p class="MsoNormal">Electronic mail</p> C. <p class="MsoNormal">Extra mail</o:p></o:p></p> D. <p class="MsoNormal">External mail</o:p></o:p></p>