

## Geometrical Optics

Sr	Questions	Answers Choice
1	The refractive index of air is:	A. 6 B. 7 C. 2 D. 1,0003
2	Angle opposite to the base of triangle of prism is called:	A. angle of incidence B. angle of refraction C. angle of prism D. emerging angle
3	Spherical mirrors are used in:	A. Medical B. Search light C. Microscope D. All of these
4	The principal focus of a concave mirror is:	A. Virtual B. Real C. Imaginary D. Dual aspect
5	The line which passes through pole of the mirror and center of curvature is called principal:	A. axis B. Focus C. Line D. None of these
6	The distance of image from mirror is represented by:	A. q B. p C. F D. m
7	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
8	The mirror whose outer surface is reflecting is called:	A. Concave mirror B. Convex mirror C. Lens D. Mirror
9	The distance of spherical mirror is called:	A. Curvature B. Aperture C. Sphere D. a,b
10	Hard disk is made of:	A. <p>Aluminium</p> B. <p>Copper</p> C. <p>Iron</p> D. <p>Plastic</p>
11	Power of lens is:	A. q/p B. 1/q C. 1/p D. 1/f
12	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
13	To see from submarine the ship at the surface of water , we use:	A. Telescope B. Microscope C. Peri scope D. Prism
		A. <p>Emergency mail</p> B. <p>Electronic</p>

14	What does the term e-mail stand for:	<p>mail</p> <p>C. Extra mail</p> <p>D. External mail</p>
15	Optical fibre are:	<p>A. Cheap</p> <p>B. Flexible</p> <p>C. Lighter</p> <p>D. All of these</p>
16	If a ray of light is 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. reflect only</p> <p>C. partially refract and partially reflect</p> <p>D. Diffract only</p>
17	Critical angle for diamond is:	<p>A. 60°</p> <p>B. 24°</p> <p>C. 26°</p> <p>D. 49°</p>
18	The distance between principal focus and pole of mirror is called:	<p>A. Principal focus</p> <p>B. Focal length</p> <p>C. P</p> <p>D. Image</p>
19	A data storage device is:	<p>A. Printer</p> <p>B. Hard disk</p> <p>C. Monitor</p> <p>D. CPU</p>
20	The critical angle for glass to:	<p>A. 24°</p> <p>B. 48°</p> <p>C. 42°</p> <p>D. 50°</p>