Geometricl Optics

Sr	Questions	Answers Choice
1	The ratio of image height to object height is called:	A. Linear magnification B. Power C. Refraction D. Radius of curative
2	Totally reflecting prism is used in:	A. periscope B. binoculars C. periscope and binocular D. telescope
3	The S.I unit of power of a lens is:	A. Dioptre B. Volt C. Ampere D. Watt
4	The critical angle for glass to:	A. 24° B. 48° C. 42° D. 50°
5	The principal focus of a concave mirror is:	A. Virtual B. Real C. Imaginary D. Dual aspect
6	Optical fibre are:	A. Cheap B. Flexible C. Lighter D. All of these
7	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
8	Optical fibers work on the principle of:	A. Refraction B. Reflection C. Total internal reflection D. Diffraction
9	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
10	An example of input device computer is:	A. Keyboard B. printer C. monitor D. RAM
11	The centre of spherical mirror is called:	A. Focus B. Axis C. Centre D. Pole
12	From which of the following we can get information almost about everything:	A. Book B. Teacher C. Computer D. Internet

		</o:p></p>
13	When a ray of light enters from denser medium to rare medium, the angle of incidence for which angle of refraction is 90° is called:	A. angle of incidence B. critical angle C. angle of refraction D. None of these
14	Concave mirror formula is given by:	A. R = 2r B. sin<i/sin<r C. 1/f=1/p+1/q D. 1/f=1/p-1/q
15	A data storage device is:	A. <p class="MsoNormal">Printer<o:p></o:p></p> B. <p class="MsoNormal">Hard disk<o:p></o:p></p> C. <p class="MsoNormal">Monitor<o:p></o:p></p> D. <p class="MsoNormal">CPU<o:p></o:p></p>
16	A normal eye can see near objects clearly at a distance of:	A. 20 cm B. 25 cm C. 30 cm D. 35 cm
17	The index of refraction depends on:	A. The focal length B. The speed of light C. the image distance D. The object distance
18	The loudness of a sound is most closely related to its:	A. <p class="MsoNormal">Frequency<o:p></o:p></p> B. <p class="MsoNormal">Period<o:p></o:p></p> C. <p class="MsoNormal">Wavelength<o:p></o:p></p> D. <p class="MsoNormal">Amplitude<o:p></o:p></p>
19	Spherical mirrors are used in:	A. Medical B. Search light C. Microscope D. All of these
20	CD which is made of soft material is called:	A. <p class="MsoNormal">Hard disk<o:p></o:p></p> B. <p class="MsoNormal">Floppy disk<o:p></o:p></p> C. <p class="MsoNormal">Iron disk<o:p></o:p></p> D. <p class="MsoNormal">Copper disk<o:p></o:p></p>