Geometricl Optics

Sr	Questions	Answers Choice
1	The data stored in C.D is:	A. 680 MB<o:p></o:p> B. 650 MB<o:p></o:p> C. 700 MB<o:p></o:p> D. 750 MB<o:p></o:p>
2	Astronauts in space need to communicate with each other by radio links because:	A. Sound waves travel very slowly in space<o:p></o:p> B. Sound waves travel very fast in space<o:p></o:p> C. Sound waves cannot travel in space<o:p></o:p> D. Sound waves have low frequency in space<o:p></o:p>
3	A data storage device is:	A. Printer<o:p></o:p> B. Hard disk<o:p></o:p> C. Monitor<o:p></o:p> D. CPU<o:p></o:p>
4	Image formed on a camera is:	A. real,invertred, and diminished B. virtual, upright and diminshed C. virtual, upright and magnified D. real, inverted and magnified
5	Which of the following is not processing:	A. Arranging<o:p></o:p> B. Manipulating<o:p></o:p> C. Calculating<o:p></o:p> D. Gathering<o:p></o:p>
6	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
7	The angle of which prism deviates the incident ray is called:	A. angle of incident B. angle of reflection C. angle of deviation D. angle of minimum deviation
8	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
9	The index of refraction depends on:	A. The focal length B. The speed of light C. the image distance D. The object distance
10	The refractive index of air is:	A. 6 B. 7 C. 2 D. 1,0003

11	What does the term e-mail stand for:	A. Emergency mail<o:p></o:p> B. Electronic mail C. Extra mail<o:p></o:p> D. External mail<o:p></o:p>
12	Which of the following quantities is not change during refraction of light?	A. Its direction B. Its speed C. its frequency D. Its wavelength
13	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
14	A converging mirror with a radius of 20 cm creates a real image 30 cm from the mirror. What is the object distance?	A. 5.0 cm B. 7.5 cm C. 15 cm D. 20 cm
15	Which is an example of a longitudinal wave:	A. Sound wave<o:p></o:p> B. Light wave<o:p></o:p> C. Radio wave<o:p></o:p> D. Water wave<o:p></o: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.	A. refract only B. reflect only C. partially refract and partially reflect D. Diffract only
17	Snell's law is stated as:	A. Sin i / sin r = n1/n2 B. sin i / sin r = n2/n1 C. sin r / sin i = n2/n1 D. sin r / sin i = 2n2/n1
18	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
19	If focal length of a lens is 1m, then its power will be:	A. 1 D B. 0.5 D C. 1.5 D D. 1 D
20	The distance between principal focus and pole of mirror is called:	A. Princpal focus B. Focal length C. P D. Image