

Geometrical Optics

Sr	Questions	Answers Choice
1	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
2	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
3	Sun light consist of _____ colour	A. 6 B. 7 C. 5 D. 2
4	To see from submarine the ship at the surface of water , we use:	A. Telescope B. Microscope C. Peri scope D. Prism
5	For a normal person audible frequency range for sound wave lies between:	A. $10\text{ Hz and }10\text{kHz}$ B. $20\text{Hz and }20\text{ kHz}$ C. $25\text{ Hz and }25\text{ kHz}$ D. $30\text{Hz and }30\text{ kHz}$
6	The distance of the object from the mirror is represented by :	A. q B. p C. m D. F
7	The distance of image from mirror is represented by:	A. q B. p C. F D. m
8	To see stomach problems we use:	A. Gastroscope B. Bronchoscope C. Cystoscope D. All of these
9	Snell' law is:	A. $n = \sin i / \sin r$ B. $n = \sin i / \sin r$ C. $n = \sin r / \sin i$ D. i / r
10	The totally reflecting prism one angle is of:	A. 45° B. 90° C. 180° D. 120°
11	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
12	When light passes through a prism it deviates from its original path due to:	A. Reflection B. Diffraction C. Interference D. Refraction
13	From which of the following we can get information almost about everything:	A. Book B. Teacher C. Computer

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D. <p class="MsoNormal">Internet<o:p>
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14 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>

15 The ray of the light after reflection from concave mirror passes through:

- A. Centre
B. Principal focus
C. Pole
D. None of these

16 The focal length is related to radius of curvature by the formula:

- A. $f = 2R$
B. $f = 4R$
C. $f = R/2$
D. $R = f/2$

17 Concave mirror formula is given by:

- A. $R = 2r$
B. $\sin i / \sin r$
C. $1/f = 1/p + 1/q$
D. $1/f = 1/p - 1/q$

18 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

19 The point through which rays of light pass after reflection from concave mirror is called principal:

- A. Focus
B. Circle
C. Axis
D. Radius

20 Spherical mirrors are used in:

- A. Medical
B. Search light
C. Microscope
D. All of these