

Guess Paper

Class- x

Subject- Physics

Time- 25 min.

1. What does $m=+1$ stand for?
2. What is the focal length of a plane mirror?
3. One half of a convex lens is covered with a black paper. Yet this lens produces a complete image. Why?
4. A ray of light enters flint glass from air. The refractive index of flint glass with respect to air is 1.65, by what percent does the speed of light reduce on entering flint glass?
5. A man is moving towards a plane mirror at a speed of 4 m/s. With what velocity his image is moving towards him?
6. Give reasons: plane mirrors are not used as rear view mirrors.
7. Why can't we see object very close to our eyes?
8. Power of accommodation of lenses A and B is 5D. If the focal length of lens A is 0.15 m. What is the focal length of lens B?
9. What is meant by dispersion of white light?
10. The refractive index of water with respect to air is x . What is the refractive index of air with respect to water?

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