

Physics Practical - I

GREENLAWNS HIGH SCHOOL

TERMINAL EXAMINATION 2020

Standard: X

Marks: 10

* Required

* This form will record your name, please fill your name.

1. In a convex lens, If the distance between the optical centre and the point at which refracted rays meet is 13 cm then its focal length is _____.*

(1 Point)

- 7.5 cm.
- 13 cm.
- 26 cm.

2. A sharp image of a distant object is obtained on a screen using a convex lens. In order to determine the focal length of the lens; we need to measure the distance between the _____.*

(1 Point)

- lens and the image (screen)
- object and the lens.
- object and its image (screen).
- lens and the screen and also object and the screen.

3. A convex lens forms _____ image of a distant object. *

(1 Point)

- Virtual, inverted and diminished.
- Real, inverted and same size.
- Virtual, inverted and same size.
- Real, inverted and diminished.

4. The double convex lens is also known as _____. *

(1 Point)

- Concavo-convex lens.
- Plano-convex lens.
- Equi-convex lens.

5. Rahul performed the same experiment and he got three readings for focal length as 13 cm, 14 cm and 15 cm. So while writing the conclusion he should write the focal length as _____. *

(1 Point)

- 15 cm.
- 14 cm.
- 13 cm.

6. Light rays incident on a convex lens from a distant object are nearly _____. *

(1 Point)

- Irregular.
- Parallel.
- Perpendicular.

7. This distant object method of determining focal length gives _____ value of focal length of a convex lens. *

(1 Point)

Approximate.

Exact.

8. Why do we need to repeat the experiment by placing the screen at three different positions? *

(1 Point)

9. Can we perform this same experiment with concave lens, to determine its focal length? Give reason for your answer. *

(2 Points)

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