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1 Mark Each

1. The radius of curvature of a concave mirror is 12 cm. Find the focal length.
2. Name the mirror which acts as a convergent mirror.
3. Write the mirror formula.
4. Name the rear view mirror used in vehicles.
5. S.I. unit of power of lens is _____
6. What do you understand by optical centre of lens?

2 Marks Each

7. State two uses of convex mirror.
8. State laws of refraction of light.
9. Write two differences between convex lens and concave lens.

3 Marks Each

10. An object is placed at a distance of 10 cm from a convex mirror of focal length 20 cm Find the position and nature of image

5 Marks Each

11. (a) Two lenses have power of (i) 2D (ii) – 4D. What is the nature and focal length of each lens?
(b) An object is kept at a distance of 100 cm from each of the above lenses. Calculate (i) Image distance (ii) magnification in each of the two cases.

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