

CBSE Class 12 Physics Answer Key 2026 for 55/3/3

Q) A ray of monochromatic light travelling in air is incident on a glass slab and is partly reflected and partly refracted. Both the reflected and refracted lights will have?

- a) Same wavelength
- b) Same frequency
- c) Same intensity
- d) Same speed

Correct Answer: b) Same frequency

Q) If r_1 and r_2 are the radii of atomic nuclei of mass numbers 64 and 27 respectively, then the value (r_1/r_2) is?

Correct Answer: b) $4/3$

Q) The ratio of the de Broglie wavelengths associated with the electron revolving in the first and third orbits in Hydrogen atom is?

Correct Answer: d) $1/3$

