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Answers to NCERT/CBSE PHYSICS Class 12(Class XII)textbook Exercise and Additional exercise

CHAPTER Eight

ELECTROMAGNETIC WAVES

EXERCISES

(For simplicity in numerical calculations, take $g = 10 \text{ m s}^{-2}$)

8.6 A charged particle oscillates about its mean equilibrium position with a frequency of 10^9 Hz . What is the frequency of the electromagnetic waves produced by the oscillator?

8.6 Frequency of em waves is 10^9 Hz .