

# ST

Class: CSE12  
Subject: Physics

Student Name: Rashi Agrawal  
Set: SET-002

Roll Number: 6  
Total Marks: 10

Duration: 200 minutes

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## General Instructions:

- Read all questions carefully before attempting.
  - Write your answers clearly and legibly.
  - Marks are indicated against each question.
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## QUESTIONS

**Q1. optics** [3 marks]

Answer:

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**Q2. Derive Einstein's mass-energy equivalence equation ( $E=mc^2$ ).** [3 marks]

Answer:

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**Q3. thermodynamics** [4 marks]

Answer:

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