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**Class: CSE12**  
**Subject: Physics**

Student Name: Bob Smith

Roll Number: 102

Set: SET-002

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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