



MINISTRY OF EDUCATION, GOVERNMENT OF INDIA
UNIVERSITY OF DELHI
DEPARTMENT OF PHYSICS

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QUESTIONS

1. Define the term 'Electric field'.
2. Derive the expression for the electric field due to a point charge.
3. State Gauss's theorem and use it to derive the expression for the electric field due to a long straight wire.

Sl. No.	Answer	Mark	Total
1	Define the term 'Electric field'.	2	2
2	Derive the expression for the electric field due to a point charge.	4	4
3	State Gauss's theorem and use it to derive the expression for the electric field due to a long straight wire.	4	4
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