

Electrostatics MCQ Questions and Answers Pdf

1. In the direction of electric field intensity, the electric potential

- a. decreases
- b. increases
- c. remains unchanged
- d. decreases upto some distance and then increases

Ans: A

2. A small metal ball is suspended in a uniform electric field with the help of an insulated thread. If high energy X-ray beam falls on it

- a. the ball will be deflected in the direction of field
- b. the ball will be deflected opposite to direction of field
- c. the ball will not deflect at all
- d. the ball will fly to infinity

Ans: A

3. When the separation between two charges is increased, the electric potential energy of the charges

- a. increases
- b. decreases
- c. remains the same
- d. may increase or decrease

Ans: D

4. Another name for relative permittivity is

- a. dielectric constant
- b. dielectric strength
- c. potential gradient
- d. none of the above

Ans: A

5. The relative permittivity of most materials lies between

- a. 20 and 100
- b. 10 and 20
- c. 100 and 200
- d. 1 and 10

Ans: D

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